VAUXHALL Cascada

Owner's Manual
Model Year 2014
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KTA-2747/1-VX-en

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Introduction

Fuel	Designation			
Engine oil	Grade			
	Viscosity			
Tyre pressure		Tyre size	Front	Rear
	Summer tyres			
	Winter tyres			
Weights				
	Gross vehicle weight rating			
	- Kerb weight, basic model			
	= Loading			

Vehicle specific data

Please enter your vehicle's data on the previous page to keep it easily accessible. This information is available in the sections "Service and maintenance" and "Technical data" as well as on the identification plate.

Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

You must always comply with the specific laws and regulations of the country that you are in. These laws may differ from the information in this Owner's Manual.

When this Owner's Manual refers to a workshop visit, we recommend your Vauxhall Authorised Repairer.

All Vauxhall Authorised Repairers provide first-class service at reasonable prices. Experienced mechanics trained by Vauxhall work according to specific Vauxhall instructions.

The customer literature pack should always be kept ready to hand in the vehicle.

Using this manual

- This manual describes all options and features available for this model. **Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.**
- The "In brief" section will give you an initial overview.
- The table of contents at the beginning of this manual and within each section shows where the information is located.
- The index will enable you to search for specific information.
- This Owner's Manual depicts left-hand drive vehicles. Operation is similar for right-hand drive vehicles.
- The Owner's Manual uses the factory engine designations. The corresponding sales designations can be found in the section "Technical data".
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- The vehicle display screens may not support your specific language.
- Display messages and interior labelling are written in **bold** letters.

Danger, Warnings and Cautions

⚠Danger

Text marked ⚠**Danger** provides information on risk of fatal injury. Disregarding this information may endanger life.

⚠Warning
Text marked ⚠**Warning** provides information on risk of accident or injury. Disregarding this information may lead to injury.

Caution
Text marked **Caution** provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

Symbols

Page references are indicated with ⇨. ⇨ means "see page".

Thank you for choosing a Vauxhall.

We wish you many hours of pleasurable driving.

Your Vauxhall Team

In brief

Initial drive information

Vehicle unlocking

Press button briefly to unlock the doors and boot lid. Open the doors by pulling the handles.

Soft top ⇨ 33, Windows ⇨ 30.

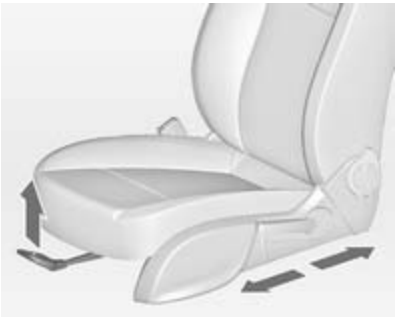
To open the boot lid, push the brand emblem at the bottom half.

Pressing button opens the boot lid while the vehicle remains locked.

Radio remote control ⇨ 19, Central locking system ⇨ 20, Load compartment ⇨ 23.

Seat adjustment

Seat lengthwise adjustment



Pull handle, slide seat, release handle.

Seat position ⇨ 46, Seat adjustment ⇨ 47.

⚠ Danger

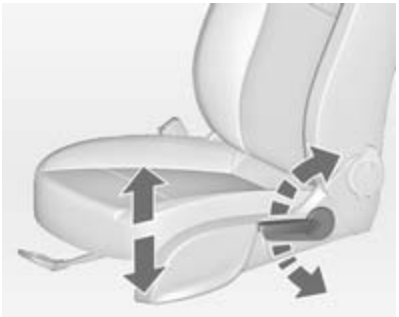
Do not sit nearer than 25 cm from the steering wheel, to permit safe airbag deployment.

Seat backrests

Turn lever to the rear, adjust inclination and release lever. Allow the seat to engage audibly.

Seat position ⇨ 46, Seat adjustment ⇨ 47, Seat folding ⇨ 49.

Seat height



Lever pumping motion

up = seat higher
down = seat lower

Seat position ⇨ 46, Seat adjustment ⇨ 47.

Power seat adjustment

Operate switch **1**:

forward/backward	=	length adjustment
up/down	=	height adjustment
up/down at front	=	inclination adjustment

Operate switch **2**:

forward/backward	=	backrest adjustment

Power seat adjustment ⇨ 50, Seat folding ⇨ 49.

Head restraint adjustment

Press release button, adjust height, engage.

Head restraints ⇨ 44.

Seat belt

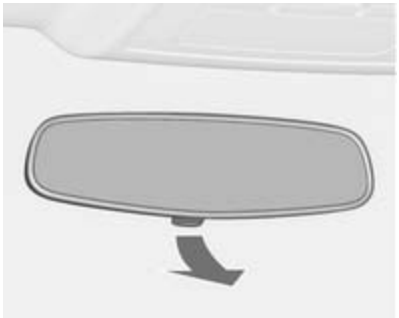
Pull out the seat belt and engage in belt buckle. The seat belt must not be twisted and must fit close against the body. The backrest must not be tilted back too far (maximum approx. 25 °).

To release belt, press red button on belt buckle.

Seat position ⇨ 46, Seat belts ⇨ 53, Seat belt presenter ⇨ 53, Airbag system ⇨ 56.

Mirror adjustment

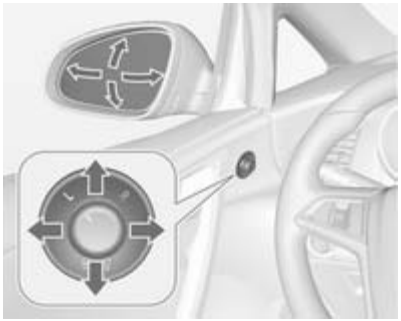
Interior mirror



To reduce dazzle, adjust the lever on the underside of the mirror housing.

Interior mirror ⇨ 29, Automatic anti-dazzle interior mirror ⇨ 29.

Exterior mirrors



Select the relevant exterior mirror and adjust it.

Convex exterior mirrors ⇨ 28, Electric adjustment ⇨ 28, Folding exterior mirrors ⇨ 28, Heated exterior mirrors ⇨ 29.

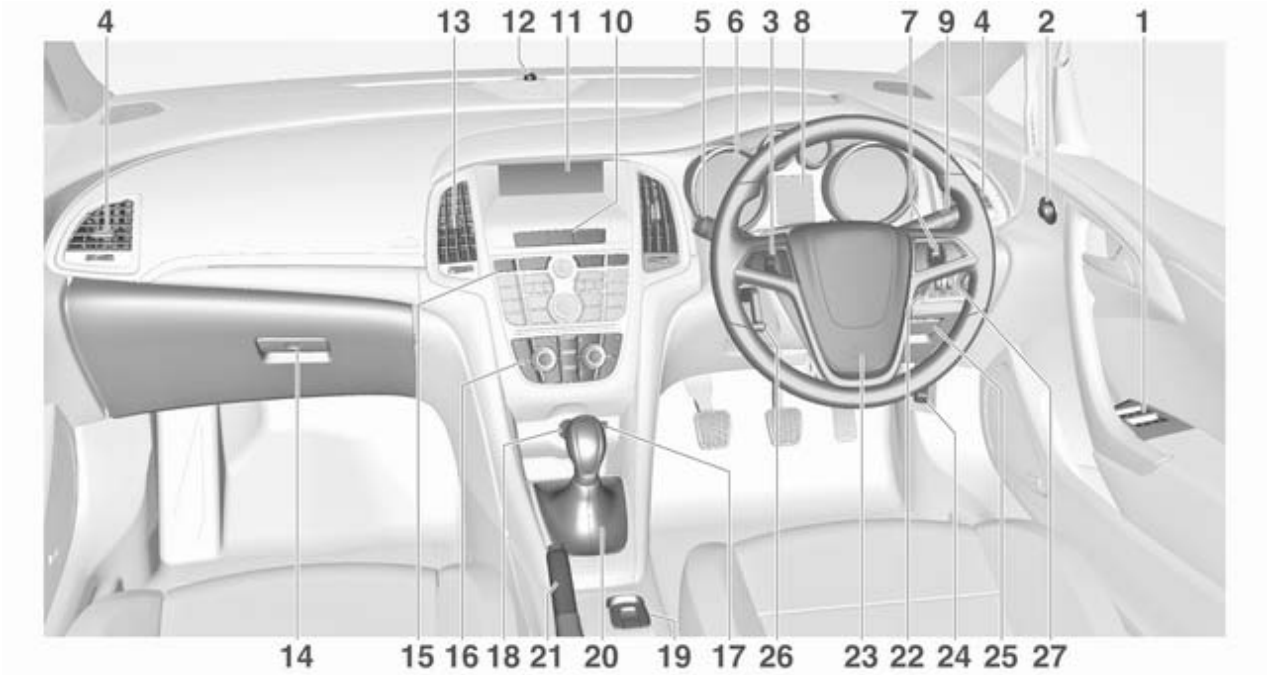
Steering wheel adjustment

Unlock the lever, adjust the steering wheel, then engage the lever and ensure it is fully locked.

Do not adjust the steering wheel unless the vehicle is stationary and the steering wheel lock has been released.

Airbag system ⇨ 56, Ignition positions ⇨ 134.

Instrument panel overview



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Exterior lighting

Turn light switch:

0 = lights off
⫸ = sidelights
≣D = headlights

Automatic light control

AUTO = automatic light control: headlights are switched on and off automatically
⏻ = activation or deactivation of the automatic light control
⫸ = sidelights
≣D = headlights

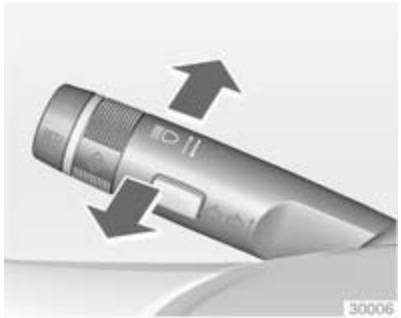
Fog lights

Press light switch:

≢D = front fog lights
D≢ = rear fog light

Lighting ⇨ 110.

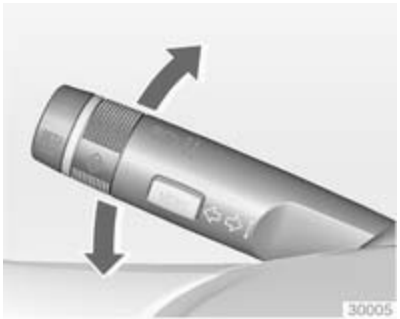
Headlight flash, high beam and low beam



headlight flash = pull lever
high beam = push lever
low beam = push or pull lever

Automatic light control ⇨ 111, High beam ⇨ 111, High beam assist ⇨ 112, Headlight flash ⇨ 112, Adaptive forward lighting ⇨ 114.

Turn and lane-change signals



lever up = right turn signal
lever down = left turn signal

Turn and lane-change signals ⇨ 117, Parking lights ⇨ 118.

Hazard warning flashers

Operated with the ⚠ button.

Hazard warning flashers ⇨ 117.

Horn

Press .

Washer and wiper systems

Windscreen wiper

2 = fast
1 = slow
⎌ = timed interval wiping or automatic wiping with rain sensor
O = off

For a single wipe when the windscreen wiper is off, press the lever down.

Windscreen wiper ⇨ 78, Wiper blade replacement ⇨ 187.

Windscreen and headlight washer systems

Pull lever.

Windscreen and headlight washer system ⇨ 78, Washer fluid ⇨ 184.

Climate control

Heated rear window, heated exterior mirrors

The heating is operated by pressing the button.

Heated rear window ⇨ 32.

Demisting and defrosting the windows, Air conditioning system

Press button .

Set the temperature control to the highest level.

Press button for cooling.

Switch on heated rear window .

Air conditioning system ⇨ 124.

Demisting and defrosting the windows, Electronic climate control

Press button .

Press button for cooling.

Temperature and air distribution are set automatically and the fan runs at high speed.

Switch on heated rear window .

Electronic climate control ⇨ 126.

Transmission

Manual transmission

Reverse: with the vehicle stationary, wait 3 seconds after depressing clutch pedal and then press the release button on the selector lever and engage the gear.

If the gear does not engage, set the lever to neutral, release the clutch pedal and depress again; then repeat gear selection.

Manual transmission ⇨ 144.

Automatic transmission

P = park
R = reverse
N = neutral
D = drive

Manual mode: move selector lever from **D** to the left.

+ = higher gear
− = lower gear

The selector lever can only be moved out of **P** when the ignition is on and the brake pedal is applied. To engage **P** or **R**, press the release button.

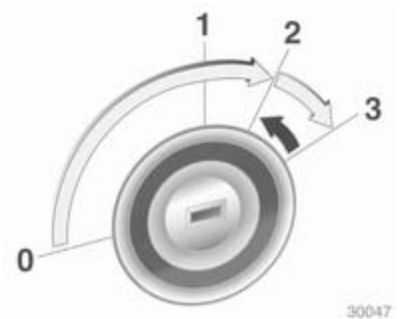
Automatic transmission ⇨ 141.

Starting off

Check before starting off

- Tyre pressure and condition ⇨ 203, ⇨ 236.
- Engine oil level and fluid levels ⇨ 182.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- Proper position of mirrors, seats and seat belts ⇨ 28, ⇨ 46, ⇨ 55.
- Soft top must be completely opened or closed ⇨ 33.
- Brake function at low speed, particularly if the brakes are wet.

Starting the engine



- Turn key to position **1**
- move the steering wheel slightly to release the steering wheel lock
- operate clutch and brake
- automatic transmission in **P** or **N**
- do not operate accelerator pedal
- diesel engines: turn the key to position **2** for preheating and wait until control indicator extinguishes
- turn key to position **3** and release

Starting the engine ⇨ 135.

Stop-start system

If the vehicle is at a low speed or at a standstill and certain conditions are fulfilled, activate an Autostop as follows:

- Depress the clutch pedal
- set the lever in neutral
- release the clutch pedal

An Autostop is indicated by the needle at the **AUTOSTOP** position in the tachometer.

To restart the engine, depress the clutch pedal again.

Stop-start system ⇨ 136.

Parking

Caution

Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.

- Always apply the parking brake. Activate the manual parking brake without pressing the release button. Apply as firmly as possible on a downhill slope or uphill slope. Depress foot brake at the same time to reduce operating force.

  For vehicles with electric parking brake, pull switch Ⓟ.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to **P** before switching off the ignition. On an uphill slope, turn the front wheels away from the kerb.

  If the vehicle is on a downhill slope, engage reverse gear or set the selector lever to **P** before switching off the ignition. Turn the front wheels towards the kerb.
- After running at high engine speeds or with high engine loads, operate the engine briefly at a low load or run in neutral for approx. 30 seconds before switching off, in order to protect the turbocharger.
- Switch off the engine. Turn the ignition key to position **0** and remove. Turn steering wheel until it locks.

  Automatic transmission: key can only be removed with selector lever in **P**.
- Close windows and soft top.
- Lock the vehicle.

  Activate the anti-theft alarm system ⇨ 25.
- The engine cooling fans may run after engine is off ⇨ 181.

Keys, locks ⇨ 18, Laying the vehicle up for a long period of time ⇨ 180.

Keys, doors and windows

Keys, locks 18
Doors 23
Vehicle security 25
Exterior mirrors 28
Interior mirrors 29
Windows 30
Roof 33

Keys, locks

Keys

Replacement keys

The key number is specified in the Car Pass or on a detachable tag.

The key number must be quoted when ordering replacement keys as it is a component of the immobiliser system.

Locks ⇨ 220.

Lock cylinders

Designed to free-wheel if they are forcefully rotated without the correct key or if the correct key is not fully inserted. To reset, turn cylinder with the correct key until its slot is vertical, remove key and then re-insert it. If the cylinder still free-wheels, turn the key through 180° and repeat operation.

Key with foldaway key section

Press button to extend. To fold the key, first press the button.

Car Pass

The Car Pass contains security related vehicle data and should therefore be kept in a safe place.

When the vehicle is taken to a workshop, this vehicle data is needed in order to perform certain operations.

Radio remote control

Used to operate:

- Central locking system
- Anti-theft locking system
- Anti-theft alarm system
- Soft top
- Power windows

The radio remote control has a range of approx. 20 metres. It can be restricted by external influences. The hazard warning flashers confirm operation.

Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

Fault

If the central locking system cannot be operated with the radio remote control, it may be due to the following:

- Range exceeded
- Battery voltage too low
- Frequent, repeated operation of the radio remote control while not in range, which will require re-synchronisation
- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time
- Interference from higher-power radio waves from other sources

Unlocking ⇨ 20.

Basic settings

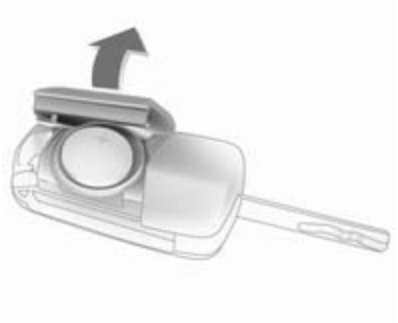
Some settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 102.

Radio remote control battery replacement

Replace the battery as soon as the range reduces.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

Key with foldaway key section



Extend the key and open the unit. Replace the battery (battery type CR 2032), paying attention to the installation position. Close the unit and synchronise.

Radio remote control synchronisation

After replacing the battery, unlock the door with the key in the driver's door lock. The radio remote control is synchronised when the ignition is switched on.

Memorised settings

Whenever the key is removed from the ignition switch, the following settings are automatically memorised by the key:

- Lighting
- Infotainment system
- Central locking system
- Sport mode settings
- Comfort settings

The saved settings are automatically used the next time the memorised key is inserted into the ignition switch and turned to position **1** ⇨ 134.

A precondition is that **Personalization by driver** is activated in the personal settings of the Graphic-Info-Display. This must be set for each key used. On vehicles equipped with Colour-Info-Display, the personalisation is permanently activated.

Vehicle personalisation ⇨ 102.

Central locking system

Unlocks and locks doors, load compartment and fuel filler flap.

A pull on an interior door handle unlocks the respective door. Pulling the handle once more opens the door.

Note
In the event of an accident in which airbags or belt pretensioners are deployed, the vehicle is automatically unlocked.

Note
A short time after unlocking with the remote control the doors are locked automatically if no door has been opened.

Unlocking

Press button .

Two settings are selectable in the vehicle personalisation ⇨ 102:

- Press button once briefly to unlock both doors, load compartment and fuel filler flap.

  Hold button pressed again to open the windows and the soft top ⇨ 30,

  or

- to unlock only the driver's door, load compartment and fuel filler flap, press button once briefly. To unlock the entire vehicle, press button twice briefly.

The setting can be changed in the menu **Settings** in the Info-Display ⇨ 102.

The setting can be saved for the key being used. Memorised settings ⇨ 20.

Unlocking and opening the boot lid ⇨ 23.

Locking

Close doors, load compartment and fuel filler flap.

Press button briefly.

If the driver's door is not closed properly, the central locking system will not work.

Hold button pressed again to close the soft top and the windows ⇨ 30.

Central locking buttons

Locks or unlocks both doors, the load compartment and fuel filler flap from the passenger compartment.

Press the button to lock.
Press the button to unlock.

Fault in radio remote control system

Unlocking

Manually unlock the driver's door by turning the key in the lock. Switch on the ignition and press the central locking button to unlock passenger's door, load compartment and fuel filler flap. By switching on the ignition, the anti-theft locking system is deactivated.

Locking

Manually lock the driver's door by turning the key in the lock.

Fault in central locking system

Unlocking

Manually unlock the driver's door by turning the key in the lock. The passenger's door can be opened by pulling the interior handle twice. The load compartment and fuel filler flap cannot be opened. To deactivate the anti-theft locking system, switch on the ignition ⇨ 25.

Locking

Push inside locking knob of passenger's door. Then close the driver's door and lock it from the outside with the key. The fuel filler flap and tailgate cannot be locked.

Manual closing of the soft top

⇨ 33.

Automatic locking

This security feature can be configured to automatically lock the doors, load compartment and fuel filler flap as soon as a certain speed is exceeded.

Additionally it is configurable to unlock the driver's door or both doors after the ignition is switched off and the ignition key is removed (manual transmission) or the selector lever is moved to **P** position (automatic transmission).

Settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 102.

The settings can be saved for the key being used ⇨ 20.

Doors

Load compartment

Boot lid

Opening

Press button on radio remote control or after unlocking push the brand emblem at the bottom half to open the boot lid.

Pressing button opens the boot lid while the vehicle remains locked.

Central locking system ⇨ 20.

Load compartment ⇨ 71.

Closing

Use the interior handle.

Do not touch the brand emblem whilst closing as this could unlock the boot lid again.

Central locking system ⇨ 20.

Blockage of boot lid

The boot lid can only be opened when the soft top is completely opened or closed. The soft top lid must be closed.

Manual closing of the soft top ⇨ 33.

Blockage of soft top

The soft top can only be operated when the boot lid is closed.

General hints for operating the boot lid

⚠ Danger

Do not drive with the boot lid open or ajar, e.g. when transporting bulky objects, since toxic exhaust gases, which can not be seen or smelled, could enter the vehicle. This can cause unconsciousness and even death.

Caution

Before opening the boot lid check overhead obstructions, such as a garage door, to avoid damage to the boot lid. Always check the moving area above and behind the boot lid.

Note

The installation of certain heavy accessories onto the boot lid may affect its ability to remain open.

Vehicle security

Anti-theft locking system

⚠Warning

Do not use the system if there are people in the vehicle! The doors cannot be unlocked from the inside.

The system deadlocks the doors. The doors must be closed otherwise the system cannot be activated.

If the ignition was on, the driver's door must be opened and closed once so that the vehicle can be secured.

Unlocking the vehicle disables the mechanical anti-theft locking system. This is not possible with the central locking button.

Activating

Press on the radio remote control twice briefly within 15 seconds. Long press will activate soft top closing.

Anti-theft alarm system

The anti-theft alarm system is combined with the central locking system.

It monitors:

- Doors, boot lid, bonnet
- Passenger compartment including adjoining load compartment
- Vehicle inclination, e.g. if it is raised
- Ignition

Activation

- Self-activated 30 seconds after locking the vehicle (initialisation of the system)
- Directly by pressing on the radio remote control twice briefly. Long press will activate soft top closing.

Note

Changes to the vehicle interior, such as the use of seat covers and open windows, could impair the function of passenger compartment monitoring.

Activation without monitoring of passenger compartment and vehicle inclination

Switch off the monitoring of passenger compartment and vehicle inclination when animals are being left in the vehicle, because of high volume ultrasonic signals or movements triggering the alarm. Also switch off when the vehicle is on a ferry or train.

1. Close boot lid, bonnet, windows and soft top.
2. Press button . LED in the button illuminates for a maximum of 10 minutes.
3. Close doors.
4. Activate the anti-theft alarm system.

To prevent false alarms passenger compartment monitoring is deactivated if the soft top is open. The LED in the button does not illuminate.

If only the windows are open, passenger compartment monitoring operates restricted and the LED in the button illuminates.

Status message is displayed in the Driver Information Centre.

Status LED

Status LED is integrated in the sensor on top of the instrument panel.

Status during the first 30 seconds of anti-theft alarm system activation:

LED illuminates	=	test, arming delay.
LED flashes quickly	=	doors, boot lid, soft top or bonnet not completely closed, or system fault.

Status after system is armed:

LED flashes slowly	=	system is armed.

Seek the assistance of a workshop in the event of faults.

Deactivation

Unlocking the vehicle by pressing deactivates the anti-theft alarm system. Long press will activate soft top opening.

Alarm

When triggered, the alarm sounds via a separate battery-backed power sounder, and the hazard warning lights flash simultaneously. The number and duration of alarm signals are stipulated by legislation.

The alarm can be silenced by pressing any button on the radio remote control or by switching on the ignition.

The anti-theft alarm system can be deactivated only by pressing button or by switching on the ignition.

A triggered alarm, which has not been interrupted by the driver, will be indicated by the hazard warning lights. They will flash quickly three times the next time the vehicle is unlocked with the radio remote control. Additionally a warning message is displayed in the Driver Information Centre after switching on the ignition.

Vehicle messages ⇨ 100.

If the vehicle's battery is to be disconnected (e.g. for maintenance work), the alarm siren must be deactivated as follows: switch the ignition on then off, then disconnect the vehicle's battery within 15 seconds.

Immobiliser

The system is part of the ignition switch and checks whether the vehicle is allowed to be started with the key being used.

The immobiliser is activated automatically after the key has been removed from the ignition switch.

If the control indicator flashes when the ignition is on, there is a fault in the system; the engine cannot be started. Switch off the ignition and repeat the start attempt.

If the control indicator continues flashing, attempt to start the engine using the spare key and seek the assistance of a workshop.

Note

The immobiliser does not lock the doors. You should always lock the vehicle after leaving it and switch on the anti-theft alarm system ⇨ 20, ⇨ 25.

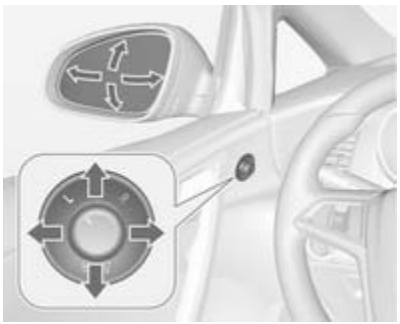
Control indicator ⇨ 93.

Exterior mirrors

Convex shape

The convex exterior mirror contains an aspherical area and reduces blind spots. The shape of the mirror makes objects appear smaller, which will affect the ability to estimate distances.

Electric adjustment



Select the relevant exterior mirror by turning the control to left **(L)** or right **(R)**. Then swivel the control to adjust the mirror.

In position **0** no mirror is selected.

Folding mirrors

For pedestrian safety, the exterior mirrors will swing out of their normal mounting position if they are struck with sufficient force. Reposition the mirror by applying slight pressure to the mirror housing.

Electric folding

Turn control to **0**, then push the control down. Both exterior mirrors will fold.

Push the control down again - both exterior mirrors return to their original position.

If an electrically folded mirror is manually extended, pressing down the control will only electrically extend the other mirror.

Heated mirrors

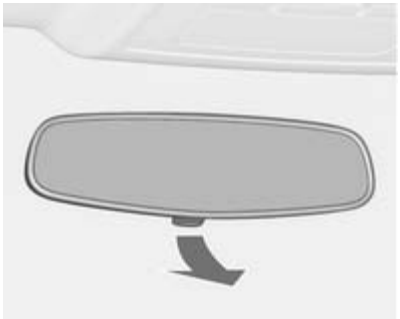
Operated by pressing the button.

The LED in the button indicates activation.

Heating works with the engine running and is switched off automatically after a short time.

Interior mirrors

Manual anti-dazzle



To reduce dazzle, adjust the lever on the underside of the mirror housing.

Automatic anti-dazzle

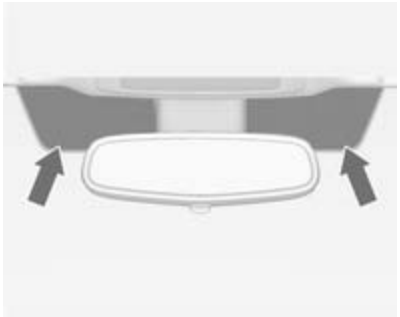
Dazzle from following vehicles at night is automatically reduced.

Windows

Windscreen

Heat-reflecting windscreen

The heat-reflecting windscreen has a coating which reflects solar radiation. Also data signals, e.g. from toll stations, might be reflected.



The marked areas on the windscreen are not covered with the coating. Devices for electronic data recording and fee payment must be attached in these areas. Otherwise data recording malfunctions may occur.

Windscreen stickers

Do not attach stickers such as toll road stickers or similar on the windscreen in the area of the interior mirror. Otherwise the detection zone of the sensor and the view area of the camera in the mirror housing could be restricted.

Power windows

⚠ Warning

Take care when operating the power windows. Risk of injury, particularly to children.

Keep a close watch on the windows when closing them. Ensure that nothing becomes trapped in them as they move.

Operable with ignition switch in position **1** or **2** (ignition on) ⇨ 134.

Retained power off ⇨ 134.

Operate the switch for the respective window by pushing to open or pulling to close.

Pushing or pulling gently to the first detent: window moves up or down as long as the switch is operated.

Pushing or pulling firmly to the second detent and then releasing: window moves up or down automatically with safety function enabled. To stop movement, operate the switch once more in the same direction.

Central switch

Switch in the centre console to operate all windows.

Push switch briefly to open all windows automatically.

Pull switch briefly to close all windows automatically.

Safety function

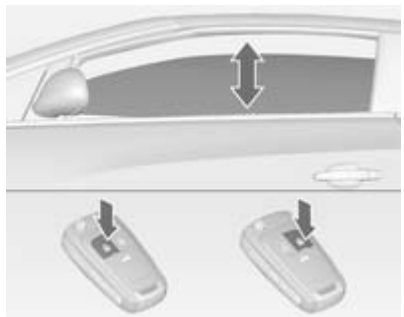
If the window glass encounters resistance above the middle of the window during automatic closing, it is immediately stopped and opened again.

Override safety function

In the event of closing difficulties due to frost or the like, switch on the ignition, then pull the switch to the first detent and hold. The window moves up with safety function disabled. To stop movement, release the switch.

Comfort operating with the remote control

The windows and the soft top can be operated remotely from outside the vehicle.



Opening

- Press button once briefly: the doors are unlocked.
- Press button once more for two seconds: the windows move down automatically. Press button longer: the soft top will be opened. Hold button pressed until soft top is completely opened.

Release button during opening the soft top: movement stops for 10 seconds; pressing button once more continues opening.

Closing

- Press button once briefly: the doors are locked.
- Press button once more longer: the soft top and the windows will be closed. Hold button pressed until soft top is completely closed.

  Release button during closing the soft top: movement stops for

10 seconds; pressing button once more continues closing.

- If the soft top is already closed but windows are opened: pressing button for two seconds will close the windows.

Confirmation

Complete opening or closing of the soft top is confirmed by the hazard warning flashers.

Overload

If the windows are repeatedly operated within short intervals, the window operation is disabled for some time.

Initialising the power windows

If the windows cannot be closed automatically (e.g. after disconnecting the vehicle battery), a warning message is displayed in the Driver Information Centre.

Vehicle messages ⇨ 100.

Activate the window electronics for each window, beginning with the rear windows, as following:

1. Soft top must be closed.
2. Close doors.
3. Switch on ignition.
4. Pull switch to the second detent until the window starts to close, and hold pulled for an additional 4 seconds.
5. Push switch to the second detent until the window starts to open automatically.
6. Repeat for each window.

Heated rear window

Operated by pressing the button.

The LED in the button indicates activation.

Heating works with the engine running and is switched off automatically after a short time.

Heated rear window is deactivated when the soft top is opened.

Sun visors

The sun visors can be folded down or swivelled to the side to prevent dazzling.

If the sun visors have integral mirrors, the mirror covers should be closed when driving.

A ticket holder is located on the backside of the sun visor.

Roof

Soft top

⚠Warning

Take care when operating the soft top. Risk of injury. Monitor the action zone above, to the side and to the rear of the vehicle during operation.

Make sure that no body parts or objects could get pinched. Make sure that people stay clear of the action zone of the soft top or soft top lid. Risk of injury.

Check the height, length and width of the available space before operating the soft top, e.g. in a garage, parking garage or when a bicycle rack is fitted.

Vehicle passengers should be informed accordingly.

Before leaving the vehicle, remove the ignition key in order to prevent unauthorised operation of the windows and the soft top.

Operation with the switch in the centre console

Operable with ignition switch in position **1** or **2** (ignition on) ⇨ 134.

The soft top can be opened and closed while driving up to a speed of 31 mph.

Open soft top

Hold switch pulled until the soft top is completely opened and the soft top lid is closed. All windows will be opened during this operation.

To close all windows pull switch .

Close soft top

Hold switch pushed until the soft top and the soft top lid are completely closed. When the windows start to move up release switch, the windows will close automatically.

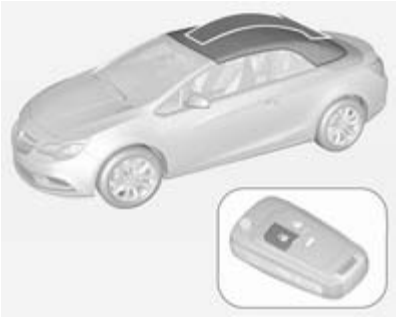
All windows will be opened at first during this operation.

Confirmation of operation

Complete opening or closing of the soft top with the switch in the centre console is confirmed by the sound of an acoustic signal.

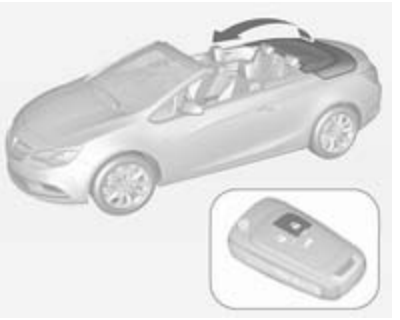
Operation with remote control

Open soft top



Hold button pressed until the soft top is opened completely and the soft top lid is closed. All windows will be opened during this operation.

Close soft top



Hold button pressed until the soft top, the soft top lid and the windows are completely closed. All windows will be opened at first during this operation.

Confirmation of operation

Complete opening or closing of the soft top with the remote control is confirmed by the hazard warning flashers.

Safety stop

The button on the remote control or the switch in the centre console must be actuated until the soft top is in its respective end position. Releasing the button or the switch during operation stops soft top movement immediately. The soft top remains in intermediate position only for a certain time. After this time a warning chime sounds, the hydraulic pressure in the system decreases and the soft top can start to move by itself. Actuating button or switch once more continues operation.

Requirements for operation

- Vehicle is stationary or driving with a speed up to 31 mph.

- Load compartment partition is folded out, pass-through flap is closed ⇨ 71.
- Soft top lid is engaged in closed position.
- Boot lid is completely closed.
- Outside temperature is not lower than -7 °C for opening and -10 °C for closing.
- Vehicle battery voltage is sufficient.
- The system is not overloaded by repeated operation (max. 5 complete cycles in succession).

If any of these requirements are not fulfilled, a warning chime sounds and a message appears in the Driver Information Centre when the switch is actuated and the soft top will not open or close.

- There must be no objects in front of the rear window or in the pivot area of the soft top and the soft top lid.

If the automatic drive is not operational when the soft top is open, execute a manual closing process, see the following instructions in "Manual closing in the event of a system fault".

General hints

Note

- Always actuate the operation switch until the acoustic signal sounds or the hazard warning flashers illuminate, to ensure that the soft top is completely opened or closed.
- The soft top can be held in an intermediate position to facilitate cleaning of hood spaces and gaskets. Release the switch in the centre console during operation to stop soft top movement in intermediate position for a maximum of 7 minutes when ignition is on. After this time a warning chime sounds, the hydraulic pressure in the system decreases and the soft top can start to move by itself.
- Do not open the soft top if it is wet, frozen or dirty.
- Activating the soft top on uneven ground can lead to malfunctions and damage.
- Vehicle care ⇨ 220.

Manual closing in the event of a system fault

In case of malfunction of the electro-hydraulic actuation, the opened soft top can be closed manually.

A warning chime sounds and a message appears in the Driver Information Centre.

Caution

We strongly advise performing manual closing of the soft top with two persons.

Manual operation of the soft top is permitted only for closing.

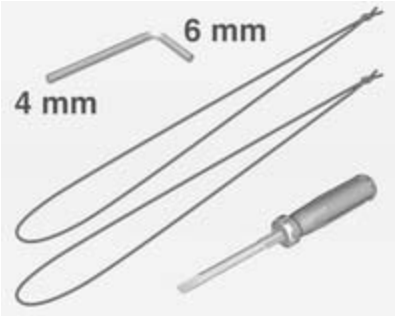
Read the following description completely before starting to operate.

Do not perform the manual closing with the vehicle parked on downhill gradient or inclines.

Remove the large wind deflector before starting to operate.

After closing, have the soft top repaired by a workshop.

Prepare the following tools which are required for manual operation:



- Allen key with 4 mm hexagon on the long side and 6 mm hexagon on the short side, located in the glovebox,
- two strings, located in the glovebox,
- screwdriver, located in the tool box in the load compartment ⇨ 201.

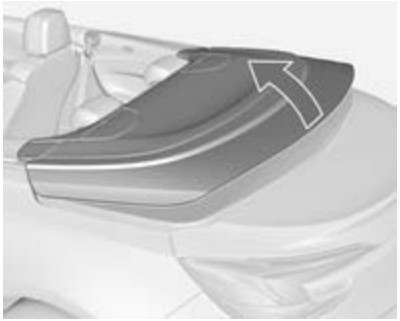
1. Switch off ignition.
2. Open the boot lid and remove the screwdriver from the tool box.

3. On the inside of the upper load compartment edge is a lever for releasing the soft top lid. Locate the lever and unlatch by swivelling the lever downwards.

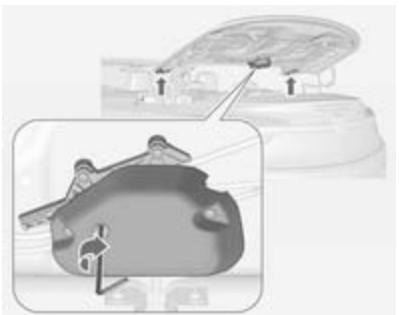
Note
The boot lid cannot be opened from next step on.

Remove the screwdriver from the toolbox for further operation. It is possible that the load compartment cannot be opened until the vehicle is at a workshop. Therefore remove any required objects from the load compartment.

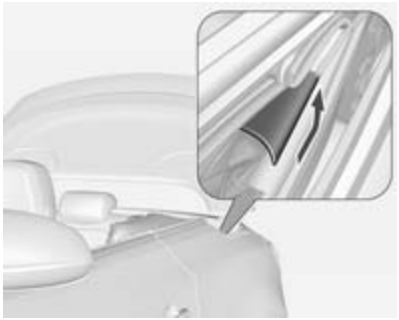
4. Close boot lid.



5. Lift up soft top lid from both sides simultaneously up to approx. the half raised position.

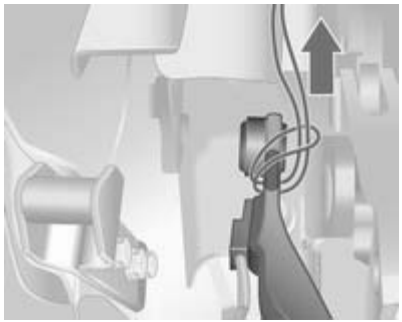


6. Insert the 4 mm Allen key into the marked position of the flap-drive unit. Turn the Allen key clockwise all the way to the stop, so that the sideways flaps are swivelled in.
7. Open the soft top lid to its end position.

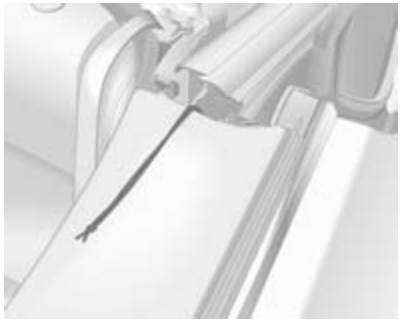


8. Remove plastic covers on both sides by pushing and sliding backwards, see illustration.

9. At the hinges on each side there are visible marks.

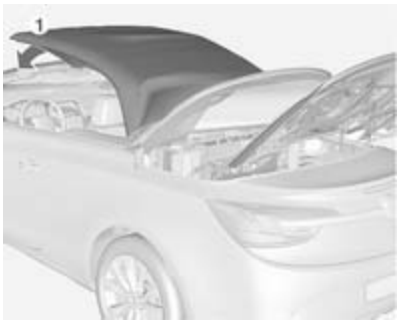


10. Haul in the attached strings around the marked position at the hinge on both sides and pull the end of the string through the loop, as shown in the illustration.

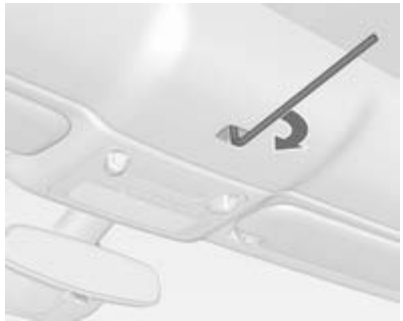


11. Deposit the end of the strings at the front.

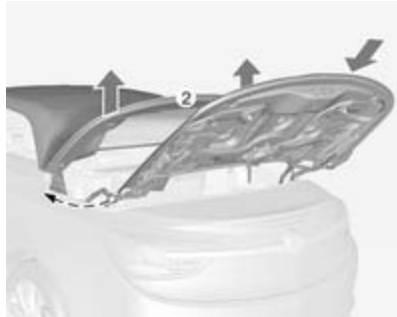
12. Pull out the soft top by lifting up the front bow (**1**) and simultaneously the tension bow (**2**) on both sides.



13. Move the front bow (**1**) to the windscreen frame.
14. Remove the small lid in the windscreen frame trim using a screwdriver which is inserted in the recess of the lid.



15. Insert the 6 mm Allen key into the closure and lock the latch by turning the Allen key clockwise to its end position.

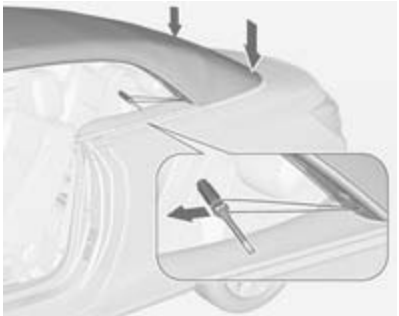


16. Lift up the tension bow (**2**) of the soft top on both sides. Raise up soft top lid by pushing slowly approx. to the half raised position and then let it slide into the closed position.
17. Lower the tension bow (**2**) of the soft top.

Note

In this position, the vehicle can be driven to a workshop for soft top overhaul. The soft top is not completely waterproof and not latched at the rear.

To latch the soft top completely, execute the following step.

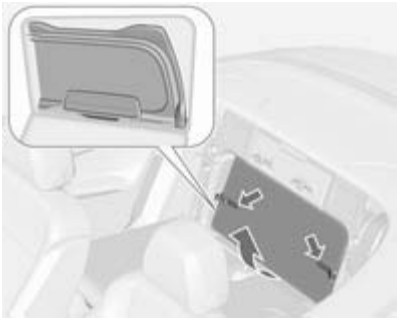


18. Push down firmly each side of the tension bow. Simultaneously pull the string with a screwdriver cross in the loop slowly and continuous to the front. Possibly support yourself on the door frame with the other hand. Execute this on both sides to latch the soft top at the rear.

After the last step, the boot lid can be opened again. Allow the strings to be removed by your workshop.

The soft top may not be opened with fixed strings.

Wind deflector



There are two wind deflectors located in a bag behind the rear seat backrests. Fold down the rear backrests ⇨ 71, open the Velcro fasteners and move out the bag from the recess.

- The small wind deflector can be placed between the rear head restraints.
- The big wind deflector can be placed behind the front seats.

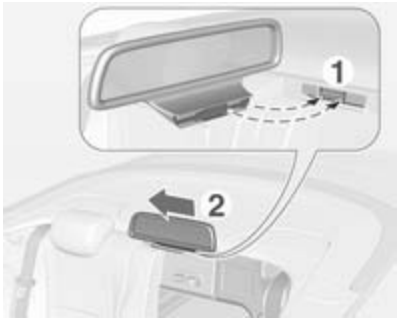
Do not place any objects on the wind deflector.

To install the deflectors, the soft top should be opened.

Fitting of the small wind deflector

- Fold down left rear backrest ⇨ 71.

- Remove the cover from the guidance between the rear head restraints by sliding sideways to the left vehicle side.

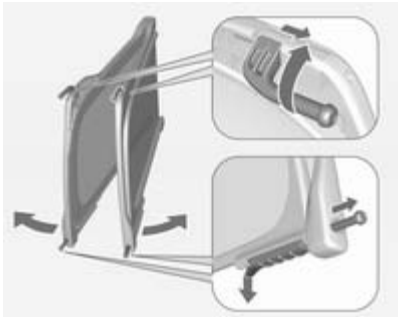


- Insert the adapter of the deflector with the elevation into the opposite recess of the guidance.
- Slide deflector in the guidance to the right vehicle side until it engages.
- Raise rear backrest.

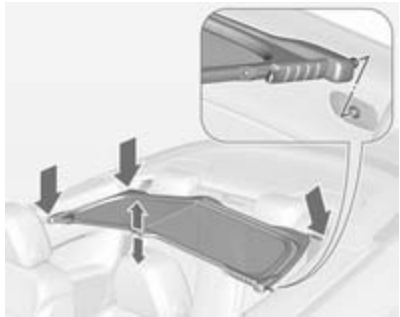
Remove deflector in reverse order.

Fitting of the big wind deflector

- Take the deflector out of the bag.



- Extract the four locking pins of the deflector: the upper ones leap out spring-loaded by turning the pins out of the brackets on both sides, the lower ones leap out by lifting the detents at the sliders on both sides.
- Expand the wind deflector.



- With the hinges behind the front seats insert the right side locking pins in the recesses of the right side trim near the rear seat. Fold the deflector a little at the centre and insert the left side locking pins in the recesses of the left side trim. Make sure that all pins are properly engaged. Push down the deflector at the centre.

■ Fold up the upper part to vertical position.

The rear seats cannot be occupied when the big wind deflector is mounted.

The vertical part of the deflector can be folded down when not used.

Wind deflector may remain mounted when the soft top is closed.

For removing fold down vertical part of the deflector. Lift up the deflector at the centre a little and remove it from the recesses on both sides.

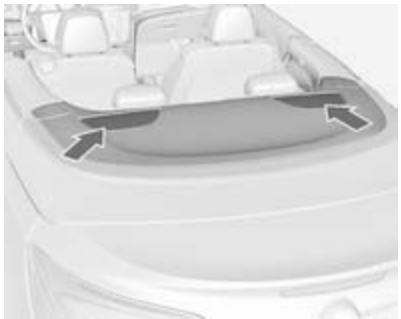
Stowing the wind deflector

To stow the deflector, move in the rear locking pins by pushing back and turning the pins into the brackets. Push back the sliders of the front locking pins until they engage. Swing in the deflector and stow it in the bag.

Fold down the rear backrests. Align the hard cover of the bag to the load compartment. Position the bag from the bottom up at the lateral guide in the recess of the upper frame. Fix the bag with the Velcro fastener at the lashing eyes on both sides. Raise rear backrests.

Rollover protection system

The rollover protection system consists of a reinforced windscreen frame and anti-roll bars under covers behind the rear head restraints.



In the event of a vehicle rollover, head-on collision or side impact, the anti-roll bars deploy upwards automatically within milliseconds. They also deploy together with the front and side airbag systems.

Note

Do not place any objects on the covers of the anti-roll bars behind the head restraints.

The airbag control indicator illuminates if the anti-roll bars have been deployed.

The system deploys with the soft top opened or closed.

The soft top must not be operated if the anti-roll bars have been deployed. A continuous warning will sound and a message appears in the Driver Information Centre if the switch is actuated.

Seats, restraints

Head restraints 44
Front seats 46
Seat belts 53
Airbag system 56
Child restraints 62

Head restraints

Position

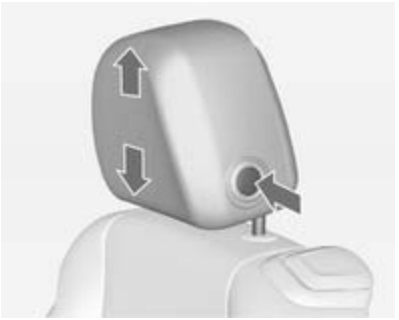
⚠Warning

Only drive with the head restraint set to the proper position.

The upper edge of the head restraint should be at upper head level. If this is not possible for extremely tall people, set to highest position, and set to lowest position for small people.

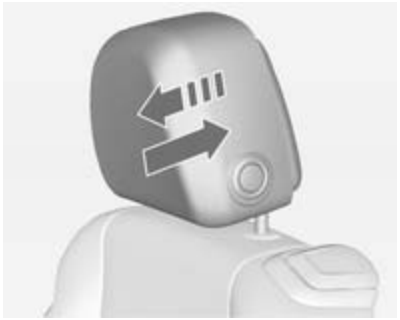
Adjustment

Head restraints on front seats



Height adjustment
Press release button, adjust height, engage.

Horizontal adjustment



Pull bolster of head restraint forwards slowly. It engages in several positions.

To return to its rearmost position, pull fully forwards and release.

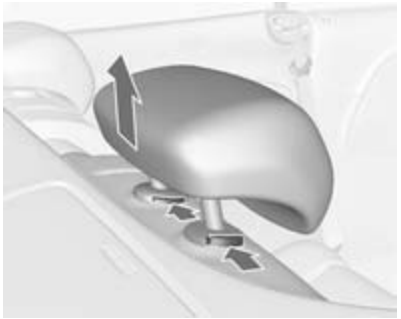
Head restraints on rear seats

Height adjustment

Pull the head restraint upwards and let engage. To move downwards, press the catch to release and push the head restraint downwards.

Removal of rear head restraint

E.g. when using a child restraint system ⇨ 62.



Press both catches, pull the head restraint upwards and remove.

Place the head restraint in a net bag and secure the underside of the bag with the Velcro fasteners on the load compartment floor. A suitable net bag is available at your workshop.

Active head restraints

In the event of a rear-end impact, the front parts of the active head restraints are moved slightly forwards. Thus the head is supported so that the risk of whiplash injury is reduced.

Note
Approved accessories may only be attached if the seat is not in use.

Front seats

Seat position

⚠ Warning

Only drive with the seat correctly adjusted.

- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when pressing the pedals. Slide the front passenger seat as far back as possible.
- Sit with shoulders as far back against the backrest as possible. Set the backrest rake so that it is possible to easily reach the steering wheel with arms slightly bent. Maintain contact between shoulders and the backrest when turning the steering wheel. Do not angle the backrest too far back. We recommend a maximum rake of approx. 25°.
- Adjust the steering wheel ⇨ 76.
- Set seat height high enough to have a clear field of vision on all sides and of all display instruments. There should be at least one hand of clearance between head and the roof frame. Your thighs should rest lightly on the seat without pressing into it.
- Adjust the head restraint ⇨ 44.
- Adjust the thigh support so that there is a space approx. two fingers wide between the edge of the seat and the hollow of the knee.
- Adjust the lumbar support so that it supports the natural shape of the spine.

Seat adjustment

⚠Danger

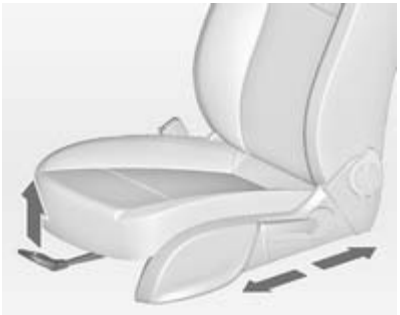
Do not sit nearer than 25 cm from the steering wheel, to permit safe airbag deployment.

⚠Warning

Never adjust seats while driving as they could move uncontrollably.

Drive only with engaged seats and backrests.

Seat lengthwise adjustment

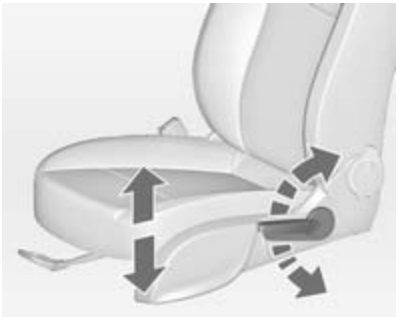


Pull handle, slide seat, release handle.

Seat backrest

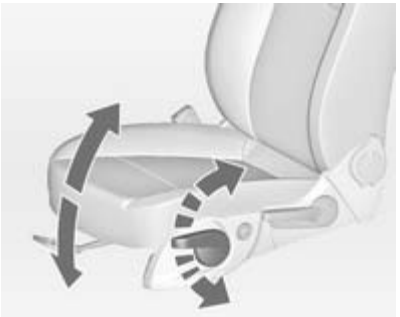
Turn lever to the rear, adjust inclination and release lever. Allow the backrest to engage audibly.

Seat height



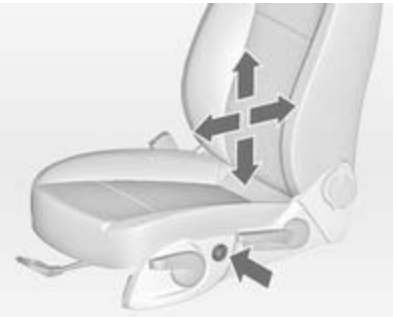
Lever pumping motion
up = seat higher
down = seat lower

Seat inclination



Lever pumping motion
up = front end higher
down = front end lower

Lumbar support

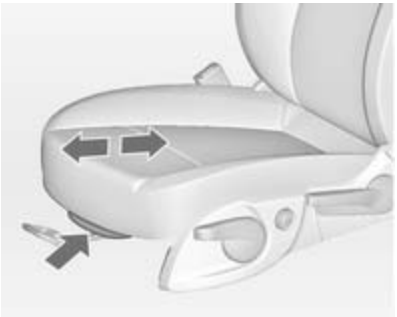


Adjust lumbar support using the four-way switch to suit personal requirements.

Moving support up and down: push switch up or down.

Increasing and decreasing support: push switch forwards or backwards.

Adjustable thigh support



Pull the lever and slide the thigh support.

Seat folding

⚠Warning

Passengers on rear seats should take care not to be trapped by the adjustment mechanism when the seat moves back to its original position.

Caution

When seat height is in highest position, push head restraints down and lift up sun visors before folding backrest forwards.

Seat folding on manual operated seats

Lift release lever and fold backrest forwards, then slide seat forwards to the stop.

To restore, slide the seat backwards to the stop. Lift backrest to upright position without operating any lever. Ensure backrest engages.

When fully engaged the seat will be in original position again.

Do not operate backrest inclination lever while backrest is folded forward.

Seat folding on power seats

Lift release lever and fold backrest forwards. The seat slides automatically forwards to the stop.

To restore, lift backrest to upright position and engage. The seat slides automatically backwards to the original position.

In case the head restraint of the folded backrest is blocked by the upper windscreen frame, allow the seat to move backwards or downwards slightly ⇨ 50, or set head restraint to lowest position ⇨ 44.

Safety function

If the power seat encounters resistance while sliding forwards or rearwards, it is immediately stopped and moved in the opposite direction.

Note

Do not sit on the seat while seat is moving.

Power disconnection

If seat remains in forward position with opened door for more than 10 minutes, power adjustment is disconnected. In this event, close and open the door or switch on ignition and operate power adjustment again.

Overload

If the folding function is electrically overloaded, the power supply is automatically cut-off for a short time.

Power seat adjustment

⚠ Warning

Care must be taken when operating the power seats. There is a risk of injury, particularly for children. Objects could become trapped.

Keep a close watch on the seats when adjusting them. Vehicle passengers should be informed accordingly.

Seat lengthwise adjustment

Move switch forwards/backwards.

Seat height

Move switch upwards/downwards.

Seat inclination

Move front of switch upwards/ downwards.

Seat backrests

Turn switch forwards/backwards.

Lumbar support

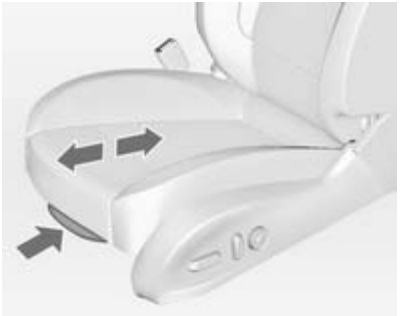
Adjust lumbar support using the four-way switch to suit personal requirements.

Moving support up and down: push switch up or down.

Increasing and decreasing support: push switch forwards or backwards.

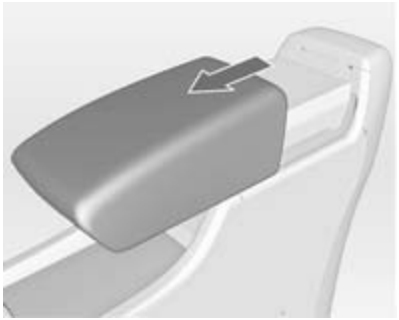
Note
If the seat setting is electrically overloaded, the power supply is automatically cut-off for a short time.

Adjustable thigh support



Pull the lever and slide the thigh support.

Armrest



The armrest can be slid forwards by 10 cm. Under the armrest there is a storage compartment.

Armrest storage ▷ 70.

Heating

Adjust heating to the desired setting by pressing the button for the respective seat one or more times. The lighting LEDs in the button indicate the setting.

Prolonged use of the highest setting for people with sensitive skin is not recommended.

Seat heating is operational when engine is running and during an Autostop.

Stop-start system ⇨ 136.

Ventilating

Adjust ventilation to the desired setting by pressing the button for the respective seat one or more times.

The lighting LEDs in the button indicate the setting.

Ventilated seats are operational with ignition on and during an Autostop.

Stop-start system ⇨ 136.

Seat belts

The seat belts are locked during heavy acceleration or deceleration of the vehicle holding the occupants in the sitting position. Therefore the risk of injury is considerably reduced.

⚠ Warning

Fasten seat belt before each trip.

In the event of an accident, people not wearing seat belts endanger their fellow occupants and themselves.

Seat belts are designed to be used by only one person at a time. Child restraint system ⇨ 62.

Periodically check all parts of the belt system for damage, pollution and proper functionality.

Have damaged components replaced. After an accident, have the belts and triggered belt pretensioners replaced by a workshop.

Note
Make sure that the belts are not damaged by shoes or sharp-edged objects or trapped. Prevent dirt from getting into the belt retractors.

Seat belt presenter

The seat belt presenter is a comfort feature that enables the front passengers to fasten the seat belts conveniently by bringing the belts to the front.

The presenter comes out when

- the respective door is closed and ignition is switched on,
- the ignition is on and the door is closed.

The presenter retracts when

- the respective door is opened again,
- the key is removed from ignition switch,
- the respective latch plate is inserted into the buckle,
- a timeout of 45 seconds,
- the vehicle is driven longer than 15 seconds with a speed more than 3 mph.

If the seat belt presenter does not retract automatically, push it back slightly.

Seat belt reminder

Front seats are equipped with a seat belt reminder, indicated for driver seat as control indicator in the tachometer ⇨ 88 and for passenger seat in the centre console ⇨ 86.

Seat belt force limiters

On all seats, stress on the body is reduced by the gradual release of the belt during a collision.

Seat belt pretensioners

In the event of a head-on or rear-end collision of a certain severity, all seat belts are tightened.

⚠Warning

Incorrect handling (e.g. removal or fitting of belts) can trigger the belt pretensioners.

Deployment of the belt pretensioners is indicated by continuous illumination of control indicator ⇨ 88.

Triggered belt pretensioners must be replaced by a workshop. Belt pretensioners can only be triggered once.

Note

Do not affix or install accessories or other objects that may interfere with the operation of the belt pretensioners. Do not make any modifications to belt pretensioner components as this will invalidate the vehicle type approval.

Three-point seat belt

Fastening

Withdraw the belt from the retractor, guide it untwisted across the body and insert the latch plate into the buckle. Tighten the lap belt regularly whilst driving by pulling the shoulder belt.

Loose or bulky clothing prevents the belt from fitting snugly. Do not place objects such as handbags or mobile phones between the belt and your body.

⚠Warning

The belt must not rest against hard or fragile objects in the pockets of your clothing.

Seat belt reminder ⇨ 88.

Removing

To release belt, press red button on belt buckle.

Using the seat belt while pregnant

⚠Warning

The lap belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

Airbag system

The airbag system consists of a number of individual systems depending on the scope of equipment.

When triggered, the airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

⚠Warning

If handled improperly the airbag systems can be triggered in an explosive manner.

Note

The airbag systems and belt pretensioner control electronics are located in the centre console area. Do not put any magnetic objects in this area.

Do not affix any objects onto the airbag covers and do not cover them with other materials.

Each airbag is triggered only once. Have deployed airbags replaced by a workshop. Furthermore, it may be necessary to have the steering wheel, the instrument panel, parts of the panelling, the door seals, handles and the seats replaced.

Do not make any modifications to the airbag system as this will invalidate the vehicle type approval.

When the airbags inflate escaping hot gases may cause burns.

Fault

If there is a fault in the airbag system the control indicator illuminates and a message or a warning code appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a workshop.

Control indicator for airbag systems ⇨ 88.

Child restraint systems on front passenger seat with airbag systems

Warning according to ECE R94.02:

EN: NEVER use a rearward-facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

DE: Nach hinten gerichtete Kindersitze NIEMALS auf einem Sitz verwenden, der durch einen davor befindlichen AKTIVEN AIRBAG geschützt ist, da dies den TOD oder SCHWERE VERLETZUNGEN DES KINDES zur Folge haben kann.

FR: NE JAMAIS utiliser un siège d'enfant orienté vers l'arrière sur un siège protégé par un COUSSIN GONFLABLE ACTIF placé devant lui, sous peine d'infliger des BLESSURES GRAVES, voire MORTELLES à l'ENFANT.

ES: NUNCA utilice un sistema de retención infantil orientado hacia atrás en un asiento protegido por un AIRBAG FRONTAL ACTIVO. Peligro de MUERTE o LESIONES GRAVES para el NIÑO.

RU: ЗАПРЕЩАЕТСЯ устанавливать детское удерживающее устройство лицом назад на сиденье автомобиля, оборудованном фронтальной подушкой безопасности, если ПОДУШКА НЕ ОТКЛЮЧЕНА! Это может привести к СМЕРТИ или СЕРЬЕЗНЫМ ТРАВМАМ РЕБЕНКА.

NL: Gebruik NOOIT een achterwaarts gericht kinderzitje op een stoel met een ACTIEVE AIRBAG ervoor, om DODELIJK of ERNSTIG LETSEL van het KIND te voorkomen.

DA: Brug ALDRIG en bagudvendt autostol på et forsæde med AKTIV AIRBAG, BARNET kan komme i LIVSFARE eller komme ALVORLIGT TIL SKADE.

SV: Använd ALDRIG en bakåtvänd barnstol på ett säte som skyddas med en framförvarande AKTIV AIRBAG. DÖDSFALL eller ALLVARLIGA SKADOR kan drabba BARNET.

FI: ÄLÄ KOSKAAN sijoita taaksepäin suunnattua lasten turvaistuinta istuimelle, jonka edessä on AKTIIVINEN TURVATYYNY, LAPSI VOI KUOLLA tai VAMMAUTUA VAKAVASTI.

NO: Bakovervendt barnesikringsutstyr må ALDRI brukes på et sete med AKTIV KOLLISJONSPUTE foran, da det kan føre til at BARNET utsettes for LIVSFARE og fare for ALVORLIGE SKADER.

PT: NUNCA use um sistema de retenção para crianças voltado para trás num banco protegido com um AIRBAG ACTIVO na frente do mesmo, poderá ocorrer a PERDA DE VIDA ou FERIMENTOS GRAVES na CRIANÇA.

IT: Non usare mai un sistema di sicurezza per bambini rivolto all'indietro su un sedile protetto da AIRBAG ATTIVO di fronte ad esso: pericolo di MORTE o LESIONI GRAVI per il BAMBINO!

EL: ΠΟΤΕ μη χρησιμοποιείτε παιδικό κάθισμα ασφαλείας με φορά προς τα πίσω σε κάθισμα που προστατεύεται από μετωπικό ΕΝΕΡΓΟ ΑΕΡΟΣΑΚΟ, διότι το παιδί μπορεί να υποστεί ΘΑΝΑΣΙΜΟ ή ΣΟΒΑΡΟ ΤΡΑΥΜΑΤΙΣΜΟ.

PL: NIE WOLNO montować fotelika dziecięcego zwróconego tyłem do kierunku jazdy na fotelu, przed którym znajduje się WŁĄCZONA PODUSZKA POWIETRZNA. Niezastosowanie się do tego zalecenia może być przyczyną ŚMIERCI lub POWAŻNYCH OBRAŻEŃ u DZIECKA.

TR: Arkaya bakan bir çocuk emniyet sistemini KESİNLİKLE önünde bir AKTİF HAVA YASTIĞI ile korunmakta olan bir koltukta kullanmayınız. ÇOCUK ÖLEBİLİR veya AĞIR ŞEKİLDE YARALANABİLİR.

UK: НІКОЛИ не використовуйте систему безпеки для дітей, що встановлюється обличчям назад, на сидінні з УВІМКНЕНОЮ ПОДУШКОЮ БЕЗПЕКИ, інакше це може призвести до СМЕРТІ чи СЕРЙОЗНОГО ТРАВМУВАННЯ ДИТИНИ.

HU: SOHA ne használjon hátrafelé néző biztonsági gyerekülést előlről AKTÍV LÉGZSÁKKAL védett ülésen, mert a GYERMEK HALÁLÁT vagy KOMOLY SÉRÜLÉSÉT okozhatja.

HR: NIKADA nemojte koristiti sustav zadržavanja za djecu okrenut prema natrag na sjedalu s AKTIVNIM

ZRAČNIM JASTUKOM ispred njega, to bi moglo dovesti do SMRTI ili OZBILJNJIH OZLJEDA za DIJETE.

SL: NIKOLI ne nameščajte otroškega varnostnega sedeža, obrnjenega v nasprotni smeri vožnje, na sedež z AKTIVNO ČELNO ZRAČNO BLAZINO, saj pri tem obstaja nevarnost RESNIH ali SMRTNIH POŠKODB za OTROKA.

SR: NIKADA ne koristiti bezbednosni sistem za decu u kome su deca okrenuta unazad na sedištu sa AKTIVNIM VAZDUŠNIM JASTUKOM ispred sedišta zato što DETE može da NASTRADA ili da se TEŠKO POVREDI.

MK: НИКОГАШ не користете детско седиште свртено наназад на седиште заштитено со АКТИВНО ВОЗДУШНО ПЕРНИЧЕ пред него, затоа што детето може ДА ЗАГИНЕ или да биде ТЕШКО ПОВРЕДЕНО.

BG: НИКОГА не използвайте детска седалка, гледаща назад, върху седалка, която е защитена чрез АКТИВНА ВЪЗДУШНА ВЪЗГЛАВНИЦА пред нея - може да се стигне до СМЪРТ или СЕРИОЗНО НАРАНЯВАНЕ на ДЕТЕТО.

RO: Nu utilizați NICIODATĂ un scaun pentru copil îndreptat spre partea din spate a mașinii pe un scaun protejat de un AIRBAG ACTIV în fața sa; acest lucru poate duce la DECESUL sau VĂTĂMAREA GRAVĂ a COPILULUI.

CS: NIKDY nepoužívejte dětský zádržný systém instalovaný proti směru jízdy na sedadle, které je chráněno před sedadlem AKTIVNÍM AIRBAGEM. Mohlo by dojít k VÁŽNÉMU PORANĚNÍ nebo ÚMRTÍ DÍTĚTE.

SK: NIKDY nepoužívajte detskú sedačku otočenú vzad na sedadle chránenom AKTÍVNYM AIRBAGOM, pretože môže dôjsť k SMRTI alebo VÁŽNYM ZRANENIAM DIEŤAŤA.

LT: JOKIU BŪDU nemontuokite atgal atgręžtos vaiko tvirtinimo sistemos sėdynėje, prieš kurią įrengta AKTYVI ORO PAGALVĖ, nes VAIKAS GALI ŽŪTI arba RIMTAI SUSIŽALOTI.

LV: NEKĀDĀ GADĪJUMĀ neizmantojiet uz aizmuguri vērstu bērnu sēdeklīti sēdvietā, kas tiek aizsargāta ar tās priekšā uzstādītu AKTĪVU DROŠĪBAS SPILVENU, jo pretējā gadījumā BĒRNS var gūt SMAGAS TRAUMAS vai IET BOJĀ.

ET: ÄRGE kasutage tahapoole suunatud lapseturvaistet istmel, mille ees on AKTIIVSE TURVAPADJAGA kaitstud iste, sest see võib põhjustada LAPSE SURMA või TÕSISE VIGASTUSE.

Beyond the warning required by ECE R94.02, for safety reasons never use a forward-facing child restraint system on the passenger seat with an active front airbag.

⚠ Danger

Do not use a child restraint system on the passenger seat with active front airbag.

Airbag deactivation ⇨ 61.

Front airbag system

The front airbag system consists of one airbag in the steering wheel and one in the instrument panel on the front passenger side. These can be identified by the word **AIRBAG**.

Additionally there is a warning label on the side of the instrument panel, visible when the front passenger door is open, or on the front passenger sun visor.

The front airbag system is triggered in the event of a front-end impact of a certain severity. The ignition must be switched on.

The inflated airbags cushion the impact, thereby reducing the risk of injury to the upper body and head of the front seat occupants considerably.

⚠Warning

Optimum protection is only provided when the seat is in the proper position ⇨ 46.

Keep the area in which the airbag inflates clear of obstructions.

Fit the seat belt correctly and engage securely. Only then the airbag is able to protect.

Side airbag system

The side airbag system consists of an airbag in each front seat backrest. This can be identified by the word **AIRBAG**.

The side airbag system is triggered in the event of a side impact of a certain severity. The ignition must be switched on.

The inflated airbags cushion the impact, thereby reducing the risk of injury to the head and upper body in the event of a side-on collision considerably.

⚠Warning

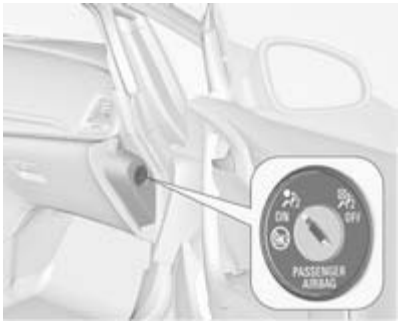
Keep the area in which the airbag inflates clear of obstructions.

Note

Only use protective seat covers that have been approved for the vehicle. Be careful not to cover the airbags.

Airbag deactivation

The front passenger airbag system must be deactivated if a child restraint system is to be fitted on this seat. The side airbags, the belt pretensioners and all driver airbag systems will remain active.



The front passenger airbag system can be deactivated via a key-operated switch on the right side of the instrument panel.

Use the ignition key to choose the position:

OFF = front passenger airbag is deactivated and will not inflate in the event of a collision. Control indicator OFF illuminates continuously in the centre console. A child restraint system can be installed in accordance with the chart **Child restraint installation locations** ⇨ 64. No adult person is allowed to occupy the front passenger seat.

ON = front passenger airbag is active. A child restraint system must not be installed.

⚠ Danger

Risk of fatal injury for a child using a child restraint system on a seat with activated front passenger airbag.

Risk of fatal injury for an adult person on a seat with deactivated front passenger airbag.

If the control indicator illuminates for approx. 60 seconds after the ignition is switched on, the front passenger airbag system will inflate in the event of a collision.

If both control indicators are illuminated at the same time, there is a system failure. The status of the system is not discernible, therefore no person is allowed to occupy the front passenger seat. Contact a workshop immediately.

Change status only when the vehicle is stopped with the ignition off.

Status remains until the next change.

Control indicator for airbag deactivation ⇨ 88.

Child restraints

Child restraint systems

We recommend the following child restraint systems which are tailored specifically to the vehicle:

- **Group 0, Group 0+**

  Vauxhall Baby Safe, with or without ISOFIX base, for children up to 13 kg

- **Group I**

  Vauxhall Duo ISOFIX, for children from 9 kg to 18 kg

- **Group II, Group III**

  Vauxhall Kid, for children from 15 kg up to 36 kg

When a child restraint system is being used, pay attention to the following usage and installation instructions and also those supplied with the child restraint system.

Always comply with local or national regulations. In some countries, the use of child restraint systems is forbidden on certain seats.

⚠Warning

When using a child restraint system on the front passenger seat, the airbag systems for the front passenger seat must be deactivated; if not, the triggering of the airbags poses a risk of fatal injury to the child.

This is especially the case if rear-facing child restraint systems are used on the front passenger seat.

Airbag deactivation ⇨ 61.

⚠Warning

When using child restraint systems on the rear seats, ensure that the backrests are engaged securely in upright position.

Selecting the right system

The rear seats are the most convenient location to fasten a child restraint system.

Children should travel facing rearwards in the vehicle as long as possible. This makes sure that the child's backbone, which is still very weak, is under less strain in the event of an accident.

Suitable are restraint systems that comply with ECE 44-03 or ECE 44-04. Check local laws and regulations for mandatory use of child restraint systems.

Ensure that the child restraint system to be installed is compatible with the vehicle type.

Ensure that the mounting location of the child restraint system within the vehicle is correct.

Allow children to enter and exit the vehicle only on the side facing away from the traffic.

When the child restraint system is not in use, secure the seat with a seat belt or remove it from the vehicle.

Note

Do not stick anything on the child restraint systems and do not cover them with any other materials.

A child restraint system which has been subjected to stress in an accident must be replaced.

Child restraint installation locations

Permissible options for fitting a child restraint system

Weight and age class	On front passenger seat activated airbag	On front passenger seat deactivated airbag	On rear seats
Group 0: up to 10 kg or approx. 10 months	X	U[1]	U[2]
Group 0+: up to 13 kg or approx. 2 years	X	U[1]	U[2]
Group I: 9 to 18 kg or approx. 8 months to 4 years	X	U[1]	U[2, 3]
Group II: 15 to 25 kg or approx. 3 to 7 years	X	X	U
Group III: 22 to 36 kg or approx. 6 to 12 years	X	X	U

[1] = Only if front passenger seat airbag system is deactivated. If the child restraint system is being secured using a three-point seat belt, move seat into the rear adjustment area and set seat height to uppermost position. Adjust seat backrest inclination as far as necessary to a vertical position to ensure that the belt is tight on the buckle side.
[2] = Seat available with ISOFIX and Top-Tether mounting brackets ⇨ 67.
[3] = Remove rear head restraint when using child restraint systems in this weight group ⇨ 44.
U = Universal suitability in conjunction with three-point seat belt.
X = No child restraint system permitted in this weight class.

Permissible options for fitting an ISOFIX child restraint system

Weight class	Size class	Fixture	On front passenger seat	On rear seats
Group 0: up to 10 kg	E	ISO/R1	X	IL *
Group 0+: up to 13 kg	E	ISO/R1	X	IL *
	D	ISO/R2	X	IL *
	C	ISO/R3	X	IL *
Group I: 9 to 18 kg	D	ISO/R2	X	IL *
	C	ISO/R3	X	IL *
	B	ISO/F2	X	IL, IUF**
	B1	ISO/F2X	X	IL, IUF**
	A	ISO/F3	X	IL, IUF**

IL = Suitable for particular ISOFIX restraint systems of the 'specific-vehicle', 'restricted' or 'semi-universal' categories. The ISOFIX restraint system must be approved for the specific vehicle type.
IUF = Suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this weight class.
X = No ISOFIX child restraint system approved in this weight class.
* = Move the respective front seat ahead of the child restraint system in one of the foremost adjustment positions.
** = Remove respective rear head restraint when using child restraint systems in this size class. ⇨ 44.

ISOFIX size class and seat device

A – ISO/F3 = Forward-facing child restraint system for children of maximum size in the weight class 9 to 18 kg.
B – ISO/F2 = Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.
B1 – ISO/F2X = Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.
C – ISO/R3 = Rear-facing child restraint system for children of maximum size in the weight class up to 18 kg.
D – ISO/R2 = Rear-facing child restraint system for smaller children in the weight class up to 18 kg.
E – ISO/R1 = Rear-facing child restraint system for young children in the weight class up to 13 kg.

ISOFIX child restraint systems

Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets. Specific vehicle ISOFIX child restraint system positions are marked in the table by IL ⇨ 64.

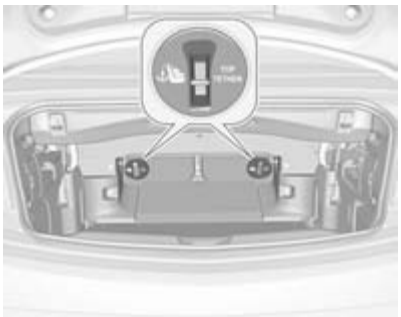
Remove wind deflector ⇨ 40 before mounting a child restraint system and remove rear head restraint if required ⇨ 64.

ISOFIX mounting brackets are indicated by a logo ISOFIX on the backrest.

Top-tether fastening eyes

The vehicle has two fastening eyes on the backside of the rear backrests.

Top-Tether fastening eyes are marked with the symbol for a child seat.



In addition to the ISOFIX mounting, fasten the Top-Tether strap to the Top-Tether fastening eyes on the backside of the rear seats. Folding rear backrests ⇨ 71.

Remove wind deflector ⇨ 40 before mounting a child restraint system and remove rear head restraint if required ⇨ 64.

ISOFIX child restraint systems of universal category positions are marked in the table by IUF ⇨ 64.

Storage

Storage compartments 68
Load compartment 71
Loading information 75

Storage compartments

⚠Warning

Do not store heavy or sharp objects in the storage compartments. Otherwise, the storage compartment lid could open and vehicle occupants could be injured by objects being thrown around in the event of hard braking, a sudden change in direction or an accident.

Glovebox

The glovebox features a pen holder, a credit card holder and a coin holder.

Close glovebox whilst driving. It can be locked with the vehicle key.

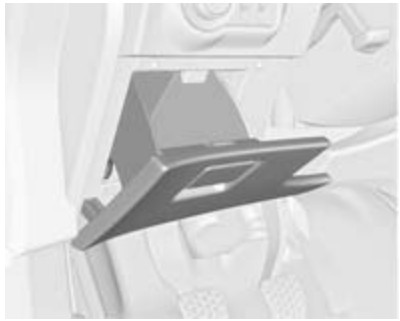
Cupholders

Cupholders are located in the centre console.

Depending on the version, cupholders are located under a cover in the centre console. Slide cover backwards. Bottles can be stowed after folding up the intermediate shelf ⇨ 70.

Additional cupholders are located between the rear seats.

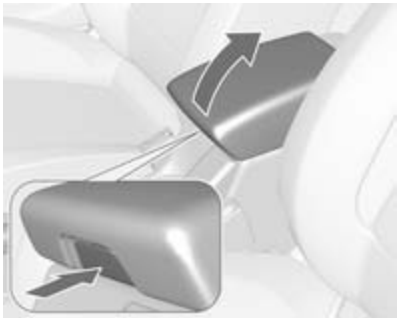
Front storage



A storage compartment is located next to the steering wheel.

Armrest storage

Storage under the front armrest



Press button to fold up the armrest. The armrest must be in rearmost position.

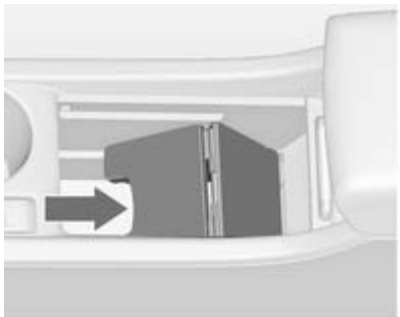
Centre console storage

Front console

Depending on the version, a storage compartment is located under a cover.

Slide cover backwards.

Press button to remove the frame of the cupholder. The frame can be stowed in the glovebox.



A further storage compartment is located under the intermediate shelf. Fold up the intermediate shelf and fix it in the vertical position. The frame of the cupholder can be reintegrated to stow bottles.

Rear console

Pull out the drawer.

Caution
Do not use for ashes or for other glowing items.

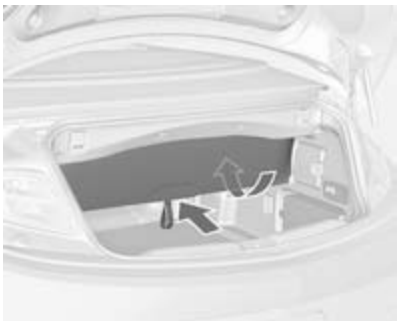
Load compartment

Load compartment extension

Folding load compartment partition

To enlarge the load compartment when the soft top is closed, the load compartment partition can be folded in.

- Close soft top ⇨ 33.
- Open the boot lid ⇨ 23.



- To fold in, push the load compartment partition at the loop area upwards to the inside.

- To fold out the load compartment partition, pull the strap downwards to the rear. The pass-through flap must be closed in vertical position by the Velcro fasteners.

During soft top operation or when it is opened, the load compartment partition must be folded out.

A warning chime sounds and a message appears in the Driver Information Centre if the load compartment partition is not folded out fully, including the pass-through flap behind the rear seats, when actuating the switch to open the soft top.

Folding rear backrests

To enlarge load compartment further or to gain access to the wind deflector bag, both rear backrests can be folded down.

⚠Warning

Take care when operating the electric foldable rear seats. The seat backrest is folded with considerable power. Risk of injury, particularly to children.

Ensure that nothing is attached to the rear seats or located on the seat cushion.

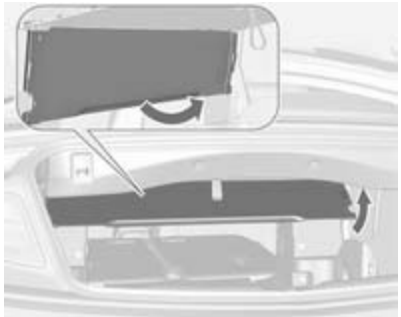
- Remove big wind deflector if installed, ⇨ 40.
- Press the catches and push down the head restraints ⇨ 44.

- Pull the release switch on one or both sides of the load compartment, to fold down the backrests onto the seat cushion.
- To fold up, raise the backrest and guide it into an upright position until it engages audibly.

⚠Warning

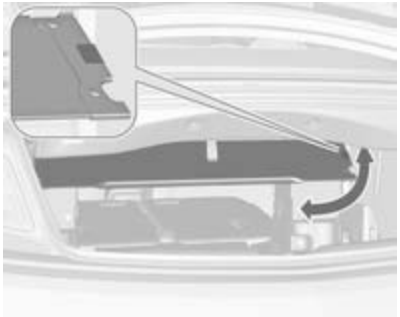
When folding up, ensure that backrests are securely locked in position before driving. Failure to do so may result in personal injury or damage to the load or vehicle in the event of hard braking or a collision.

Pass-through flap behind rear seats



For transporting long objects in the load compartment, a pass-through flap between load compartment and vehicle interior can be opened:

- Remove the installed big wind deflector or the bag with the stowed wind deflectors behind the rear seats ⇨ 40.
- Close soft top ⇨ 33.
- Push the load compartment partition at the loop area upwards to the inside ⇨ 71.

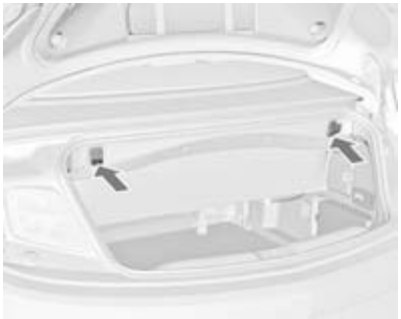


- Open the pass-through by swivelling the flap upwards to horizontal position. The flap is fixed in opened and closed position by a Velcro fastener.
- Fold down rear backrests by pulling the release switches in the load compartment.
- To close the pass-through, swivel the flap downwards and have it fixed in vertical position by the Velcro fastener.

Fold out the load compartment partition by pulling the loop downwards to the rear, in order to open the soft top. The pass-through flap must be closed in vertical position.

Rear storage

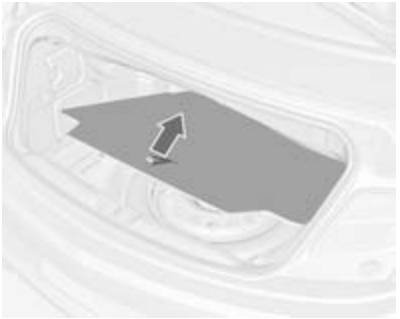
Hooks for carrier bags



Use the hooks at the upper edge of the load compartment for hanging up carrier bags. Maximum load: 5 kg.

Rear floor storage cover

Rear floor cover



The rear floor cover can be lifted and removed. Under the cover there is the spare wheel, vehicle tools or the tyre repair kit.

Lashing eyes

The lashing eyes are designed to secure items against slippage, e.g. using lashing straps or luggage net.

Warning triangle

Warning triangle is stowed in the space on the inside of the boot lid behind the straps.

First aid kit

The first aid kit is stowed on the right side in the load compartment behind a strap.

Loading information

- Heavy objects in the load compartment should be placed as far forward as possible. Ensure that the backrests are securely engaged. If objects can be stacked, heavier objects should be placed at the bottom.
- Secure objects with lashing straps attached to the lashing eyes ⇨ 74.
- Use the hooks in the load compartment for hanging up carrier bags ⇨ 73. Maximum load: 5 kg per hook.
- Secure loose objects in the load compartment to prevent them from sliding.
- When transporting objects in the load compartment, the backrests of the rear seats must not be angled forward.
- Do not place any objects on the instrument panel, and do not cover the sensor on top of the instrument panel.
- The load must not obstruct the operation of the pedals, parking brake and gear selector lever, or hinder the freedom of movement of the driver. Do not place any unsecured objects in the interior.
- Do not place any objects on the covers of the anti-roll bars behind the head restraints.
- Do not drive with an open load compartment.

⚠ Warning

Always make sure that the load in the vehicle is securely stowed. Otherwise objects can be thrown around inside the vehicle and cause personal injury or damage to the load or car.

- The payload is the difference between the permitted gross vehicle weight (see identification plate ⇨ 226) and the EC kerb weight.

To calculate the payload, enter the data for your vehicle in the Weights table at the front of this manual.

The EC kerb weight includes weights for the driver (68 kg), luggage (7 kg) and all fluids (tank 90 % full).

Optional equipment and accessories increase the kerb weight.

Instruments and controls

Controls 76
Warning lights, gauges and indicators 83
Information displays 94
Vehicle messages 100
Vehicle personalisation 102

Controls

Steering wheel adjustment

Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked.

Do not adjust steering wheel unless vehicle is stationary and steering wheel lock has been released.

Steering wheel controls

The Infotainment system, some driver assistance systems and a connected mobile phone can be operated via the controls on the steering wheel.

Further information is available in the Infotainment system manual.

Driver assistance systems ⇨ 151.

Heated steering wheel

Activate heating by pressing button. Activation is indicated by the LED in the button.

The recommended grip areas of the steering wheel are heated quicker and to a higher temperature than the other areas.

Heating is operational with ignition on and during an Autostop.

Stop-start system ⇨ 136.

Horn

Press .

Windscreen wiper/washer

Windscreen wiper

2 = fast
1 = slow
= interval wiping
O = off

For a single wipe when the windscreen wiper is off, press the lever down.

Do not use if the windscreen is frozen.

Switch off in car washes.

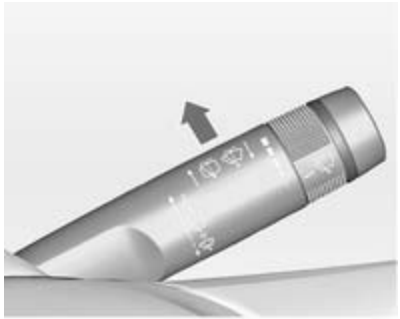
Adjustable wiper interval

Wiper lever in position .

Turn the adjuster wheel to adjust the desired wipe interval:

short interval = turn adjuster wheel upwards
long interval = turn adjuster wheel downwards

Automatic wiping with rain sensor



= automatic wiping with rain sensor

The rain sensor detects the amount of water on the windscreen and automatically regulates the frequency of the windscreen wiper.

If the wiper frequency is above 20 seconds the wiper arm moves slightly down to park position.

Adjustable sensitivity of the rain sensor

Turn the adjuster wheel to adjust the sensitivity:

low sensitivity	=	turn adjuster wheel downwards
high sensitivity	=	turn adjuster wheel upwards

Keep the sensor free from dust, dirt and ice.

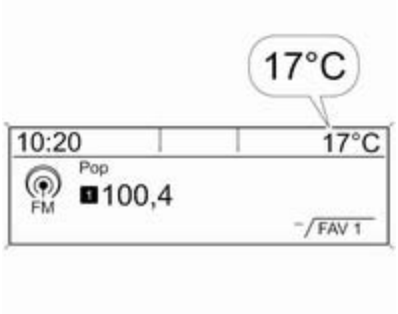
Windscreen and headlight washer

Pull lever. Washer fluid is sprayed onto the windscreen and the wiper wipes a few times.

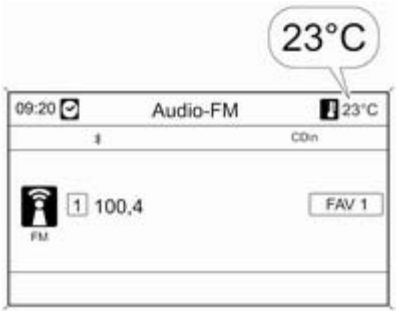
If the headlights are on, washer fluid is also sprayed onto the headlights, provided that the lever is pulled sufficiently long. Afterwards the headlight washer system is inoperable for 5 wash cycles or until engine or headlights have been switched off and on again.

Outside temperature

A drop in temperature is indicated immediately and a rise in temperature after a time delay.



Graphic shows Graphic-Info-Display



Graphic shows Colour-Info-Display

If outside temperature drops to 3 °C, a warning message is displayed in the Driver Information Centre.

⚠Warning

The road surface may already be icy even though the display indicates a few degrees above 0 °C.

Clock

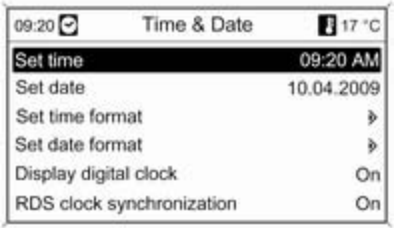
Date and time are shown in the Info-Display.

Time and date settings

CD 300/CD 400/CD400plus and **Navi 600/Navi 900**

Press the **CONFIG** button. The menu **Settings** is displayed.

Select **Time & Date**.



Selectable setting options:

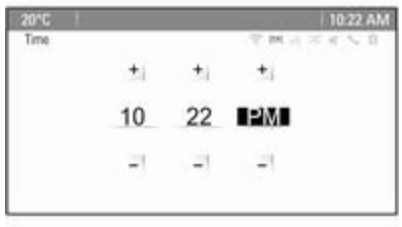
- **Set time**: Changes the time shown on the display.
- **Set date**: Changes the date shown on the display.
- **Set time format**: Changes indication of hours between **12 hours** and **24 hours**.
- **Set date format**: Changes indication of date between **MM/DD/YYYY** and **DD.MM.YYYY**.
- **Display digital clock**: Switches on/off indication of time on the display.
- **RDS clock synchronization**: The RDS signal of most VHF transmitters automatically sets the time. RDS time synchronisation can take a few minutes. Some transmitters do not send a correct time signal. In such cases, it is recommended to switch off automatic time synchronisation.

Vehicle personalisation ⇨ 102.

Time and date settings

CD 600/Navi 650/Navi 950

Press the **Config** button and then select the **Time and Date** menu item to display the respective submenu.



Note
If **RDS Auto Time Adjust** is activated, time and date are automatically set by the system.

See Infotainment system manual for further information.

Set time

To adjust the time settings, select the **Set Time** menu item. Turn the multifunction knob to adjust the first setting.

Press the multifunction knob to confirm the input. The coloured background moves to the next setting.

Adjust all settings.

Set date

To adjust the time settings, select the **Set Date** menu item. Turn the multifunction knob to adjust the first setting.

Press the multifunction knob to confirm the input. The coloured background moves to the next setting.

Adjust all settings.

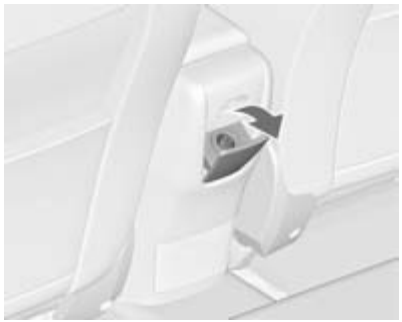
Time format

To choose the desired time format, select **12 hr / 24 hr Format**. Activate **12 Hour** or **24 Hour**.

Vehicle personalisation ⇨ 102.

Power outlets

A 12 Volt power outlet is located in the front console.



A further 12 Volt power outlet is located in the rear console. Fold the cover downwards.

Do not exceed the maximum power consumption of 120 watts.

With ignition off, the power outlets are deactivated. Additionally the power outlets are deactivated in the event of low vehicle battery voltage.

Electrical accessories that are connected must comply with the electromagnetic compatibility requirements laid down in DIN VDE 40 839.

Do not connect any current-delivering accessories, e.g. electrical charging devices or batteries.

Do not damage the outlet by using unsuitable plugs.

Stop-start system ⇨ 136.

Cigarette lighter

The cigarette lighter is located in the front console.

Press in cigarette lighter. It switches off automatically once the element is glowing. Pull out lighter.

Ashtrays

Caution
To be used only for ash and not for combustible rubbish.

The portable ashtray can be placed in the cupholders.

Warning lights, gauges and indicators

Instrument cluster

In some versions, the needles of the instruments briefly rotate to the end position when the ignition is switched on.

Speedometer

Indicates vehicle speed.

Odometer

The bottom line displays the recorded distance in miles.

Trip odometer

/⁞\ displays the recorded distance since the last reset.

Two trip odometer are selectable for different trips. Select between page /⁞\1 and page /⁞\2 by turning the adjuster wheel on turn signal lever.

Both trip odometer can be reset separately when ignition is on: select respective page, hold the reset knob depressed for a few seconds or press the **SET/CLR** button on the turn signal lever.

Trip odometer counts up to a distance of 2000 miles and then restarts at 0.

Driver Information Centre ▷ 94.

Tachometer

Displays the engine speed.

Drive in a low engine speed range for each gear as much as possible for fuel saving reasons.

Caution
If the needle is in the red warning zone, the maximum permitted engine speed is exceeded. Engine at risk.

Fuel gauge

Displays the fuel level in the tank.

Control indicator ⬬ illuminates if the level in the tank is low. Refuel immediately if it flashes.

Never run the tank dry.

Because of the fuel remaining in the tank, the top-up quantity may be less than the specified tank capacity.

Engine coolant temperature gauge

Displays the coolant temperature.

left area	=	engine operating temperature not yet reached
central area	=	normal operating temperature
right area	=	temperature too high

Caution
If engine coolant temperature is too high, stop vehicle, switch off engine. Danger to engine. Check coolant level.

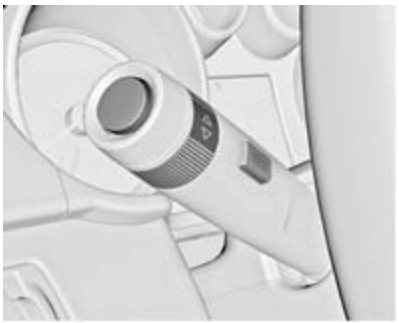
Service display

The engine oil life system lets you know when to change the engine oil and filter. Based on driving conditions, the interval at which an engine oil and filter change will be indicated can vary considerably.

The remaining oil life duration is displayed in the **Vehicle Information Menu**.

The menu and function can be selected via the buttons on the turn signal lever.

To display the remaining engine oil life duration:



Press the **MENU** button to select the **Vehicle Information Menu**.

Turn the adjuster wheel to select **Remaining Oil Life**.

The system must be reset every time the engine oil is changed to allow proper functionality. Seek the assistance of a workshop.

Press the **SET/CLR** button to reset. Therefore the ignition must be switched on, with the engine not running.

When the system has calculated that engine oil life has been diminished, **Change Engine Oil Soon** appears in the Driver Information Centre. Have engine oil and filter changed by a workshop within one week or 300 miles (whichever occurs first).

Driver Information Centre ⇨ 94.

Service information ⇨ 223.

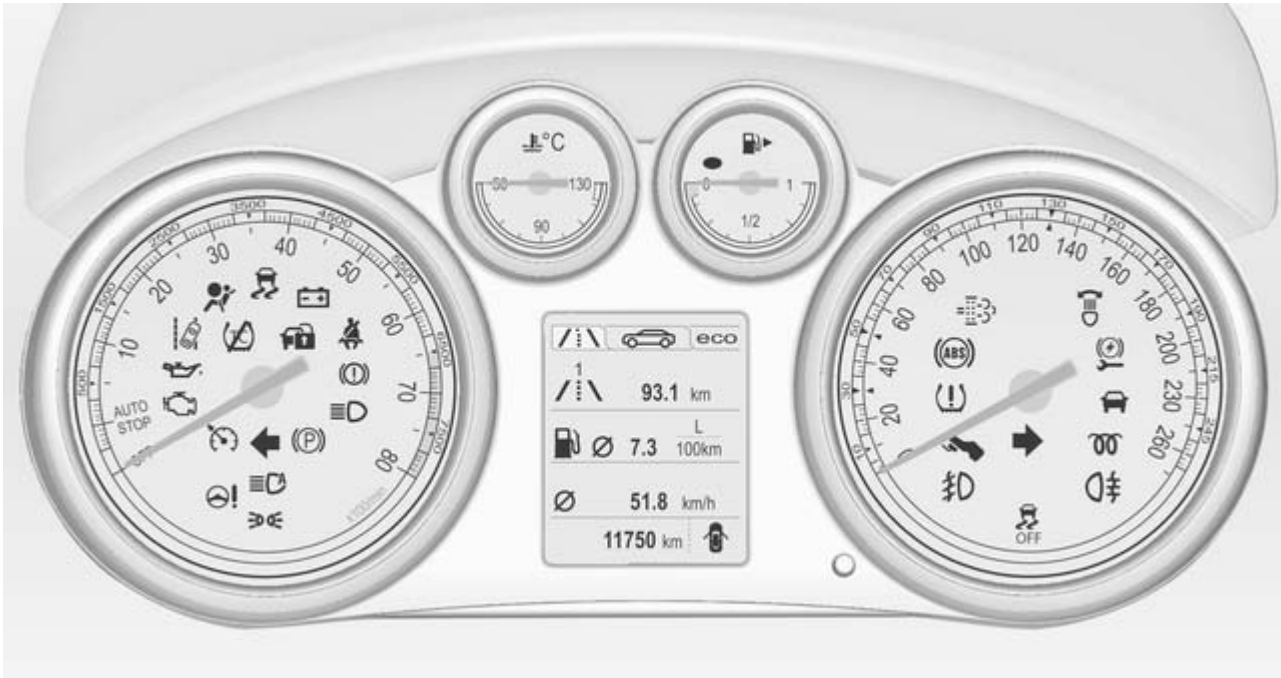
Control indicators

The control indicators described are not present in all vehicles. The description applies to all instrument versions. Depending on the equipment, the position of the control indicators may vary. When the ignition is switched on, most control indicators will illuminate briefly as a functionality test.

The control indicator colours mean:

red	=	danger, important reminder
yellow	=	warning, information, fault
green	=	confirmation of activation
blue	=	confirmation of activation
white	=	confirmation of activation

Control indicators in the instrument cluster



Control indicators in the centre console

Turn signal

⇦⇨ illuminates or flashes green.

Illuminates briefly

The parking lights are switched on.

Flashes

A turn signal or the hazard warning flashers are activated.

Rapid flashing: failure of a turn signal light or associated fuse, failure of turn signal light on trailer.

Bulb replacement ⇨ 188, Fuses ⇨ 196.

Turn signals ⇨ 117.

Seat belt reminder

Seat belt reminder on front seats

for driver's seat illuminates or flashes red.

² for front passenger seat illuminates or flashes red, when seat is occupied.

Illuminates

After the ignition has been switched on until the seat belt has been fastened.

Flashes

After having started the engine for a maximum of 100 seconds until the seat belt has been fastened.

Airbag, belt tensioners and anti-roll bars

illuminates red.

When the ignition is switched on, the control indicator illuminates for approx. 4 seconds. If it does not illuminate, does not extinguish after 4 seconds or illuminates whilst driving, there is a fault in the airbag system, in the belt tensioner or the deployable anti-roll bars. The airbags, belt pretensioners and anti-roll bars may fail to trigger in the event of an accident.

Deployment of the belt tensioners, airbags or deployable anti-roll bars is indicated by continuous illumination of .

⚠Warning

Have the cause of the fault remedied immediately by a workshop.

Airbag system, belt tensioners ⇨ 56, ⇨ 53. Rollover protection system ⇨ 42.

Airbag deactivation

₂ illuminates yellow.

Illuminates for approx. 60 seconds after the ignition is switched on. The front passenger airbag is activated.

illuminates yellow.

The front passenger airbag is deactivated ⇨ 61.

⚠ Danger

Risk of fatal injury for a child using a child restraint system together with activated front passenger airbag.

Risk of fatal injury for an adult person with deactivated front passenger airbag.

Charging system

illuminates red.

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts.

Illuminates when the engine is running

Stop, switch off engine. Vehicle battery is not charging. Engine cooling may be interrupted. The brake servo unit may cease to be effective. Seek the assistance of a workshop.

Malfunction indicator light

illuminates or flashes yellow.

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts.

Illuminates when the engine is running

Fault in the emission control system. The permitted emission limits may be exceeded. Seek the assistance of a workshop immediately.

Flashes when the engine is running

Fault that could lead to catalytic converter damage. Ease up on the accelerator until the flashing stops. Seek the assistance of a workshop immediately.

Brake and clutch system

Brake and clutch fluid level

illuminates red.

The brake and clutch fluid level is too low ⇨ 185.

⚠ Warning

Stop. Do not continue your journey. Consult a workshop.

Illuminates after the ignition is switched on if the manual parking brake is applied ⇨ 145.

Operate pedal

illuminates or flashes yellow.

Clutch pedal must be operated to start the engine. Stop-start system ⇨ 136.

Illuminates
Brake pedal must be operated to release the electric parking brake ⇨ 145.

Flashes
Clutch pedal must be operated to start the engine ⇨ 135.

Electric parking brake

Ⓟ illuminates or flashes red.

Illuminates
Electric parking brake is applied ⇨ 145.

Flashes
Electric parking brake is not fully applied or released. Switch on ignition, depress brake pedal and attempt to reset the system by first releasing and then applying the electric parking brake. If Ⓟ remains flashing, do not drive and seek the assistance of a workshop.

Electric parking brake fault

illuminates or flashes yellow.

Illuminates
Electric parking brake is operating with degraded performance ⇨ 145.

Flashes
Electric parking brake is in service mode. Stop vehicle, apply and release the electric parking brake to reset.

⚠ Warning

Have the cause of the fault remedied immediately by a workshop.

Antilock brake system (ABS)

(ABS) illuminates yellow.

Illuminates for a few seconds after the ignition is switched on. The system is ready for operation when the control indicator extinguishes.

If the control indicator does not extinguish after a few seconds, or if it illuminates while driving, there is a fault in the ABS. The brake system remains operational but without ABS regulation.

Antilock brake system ⇨ 144.

Upshift

SHIFT is indicated as symbol or is popped up as full page in the Driver Information Centre when upshifting is recommended for fuel saving reasons.

EcoFlex drive assistant ⇨ 94.

Power steering

illuminates yellow.

Illuminates with power steering reduced

Power steering is reduced due to overheating of the system. Control indicator extinguishes when the system has cooled down.

Stop-start system ⇨ 136.

Illuminates with power steering disabled

Failure in the power steering system. Consult a workshop.

Lane departure warning

illuminates green or flashes yellow.

Illuminates green

System is switched on and ready to operate.

Flashes yellow

System recognises an unintended lane change.

Electronic Stability Control off

OFF illuminates yellow.

The system is deactivated.

Electronic Stability Control and Traction Control system

illuminates or flashes yellow.

Flashes

The system is actively engaged. Engine output may be reduced and the vehicle may be braked automatically to a small degree.

Illuminates

A fault in the system is present. A warning message appears in the Driver Information Centre. Continued driving is possible. The system is not operational. Driving stability, however, may deteriorate depending on road surface conditions.

Have the cause of the fault remedied by a workshop.

Electronic Stability Control ⇨ 148, Traction Control system ⇨ 147.

Traction Control system off

OFF illuminates yellow.

The system is deactivated.

Preheating

illuminates yellow.

Preheating is activated. Only activates when outside temperature is low.

Diesel particle filter

illuminates or flashes yellow.

The diesel particle filter requires cleaning.

Continue driving until ⇶ extinguishes. If possible, do not allow engine speed to drop below 2000 rpm.

Illuminates

The diesel particle filter is full. Start cleaning process as soon as possible.

Flashes

The maximum filling level of the filter is reached. Start cleaning process immediately to avoid damage to the engine.

Diesel particle filter ⇨ 139, Stop-start system ⇨ 136.

Tyre pressure monitoring system

(!) illuminates or flashes yellow.

Illuminates

Tyre pressure loss. Stop immediately and check tyre pressure.

Flashes

Fault in system or tyre without pressure sensor mounted (e.g. spare wheel). After 60-90 seconds the control indicator illuminates continuously. Consult a workshop.

Tyre pressure monitoring system ⇨ 204.

Engine oil pressure

illuminates red.

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts.

Illuminates when the engine is running

Caution
Engine lubrication may be interrupted. This may result in damage to the engine and/or locking of the drive wheels.

1. Depress clutch.
2. Select neutral gear, set selector lever to **N**.
3. Move out of the flow of traffic as quickly as possible without impeding other vehicles.
4. Switch off ignition.

⚠ Warning
When the engine is off, considerably more force is needed to brake and steer. During an Autostop the brake servo unit will still be operational. Do not remove key until vehicle is stationary, otherwise the steering wheel lock could engage unexpectedly.

Check oil level before seeking the assistance of a workshop ⇨ 182.

Low fuel

⬬ illuminates or flashes yellow.

Illuminates
Level in fuel tank is too low.

Flashes
Fuel used up. Refuel immediately. Never run the tank dry.

Catalytic converter ⇨ 140.

Bleeding the diesel fuel system ⇨ 187.

Immobiliser
flashes yellow.

Fault in the immobiliser system. The engine cannot be started.

Exterior light
illuminates green.

The exterior lights are on ⇨ 110.

High beam
illuminates blue.

Illuminates when high beam is on or during headlight flash ⇨ 111, or when high beam is on with high beam assist or intelligent light range ⇨ 114.

High beam assist
illuminates green.

The high beam assist or intelligent light range is activated ⇨ 112, ⇨ 114.

Adaptive forward lighting
illuminates or flashes yellow.

Illuminates
Fault in system.

Seek the assistance of a workshop.

Flashes
System switched to symmetrical low beam.

Control indicator flashes for approx. 4 seconds after the ignition is switched on as a reminder that the system has been activated ⇨ 113.

Automatic light control ⇨ 111.

Fog light
illuminates green.

The front fog lights are on ⇨ 118.

Rear fog light
illuminates yellow.

The rear fog light is on ⇨ 118.

Cruise control
illuminates white or green.

Illuminates white
The system is on.

Illuminates green
Cruise control is active.

Cruise control ⇨ 151.

Vehicle detected ahead
illuminates green.

A vehicle ahead is detected in the same lane.

Forward collision alert ⇨ 154.

Door open
is indicated as symbol in the Driver Information Centre when a door or the boot lid is open.

Information displays

Driver Information Centre

The Driver Information Centre (DIC) is located in the instrument cluster between speedometer and tachometer.

The following main menus can be indicated in the Display and selected by pushing the **MENU** button on the turn signal lever. Menu symbols are indicated in the top line of the display:

- **Vehicle Information Menu**
- **Trip/Fuel Information Menu**
- **ECO Information Menu** ECO

Some of the displayed functions differ when the vehicle is being driven or at a standstill. Some functions are only available when the vehicle is being driven.

Vehicle personalisation ⇨ 102.
Memorised settings ⇨ 20.

Selecting menus and functions

The menus and functions can be selected via the buttons on the turn signal lever.

Press the **MENU** button to switch between the menus or to return from a submenu to the next higher menu level.

Turn the adjuster wheel to highlight a menu option or to set a numeric value.

Press the **SET/CLR** button to select a function or to confirm a message.

Vehicle Information Menu

Press the **MENU** button to select .

Turn the adjuster wheel to select a submenu. Press the **SET/CLR** button to confirm.

Follow the instructions given in the submenus.

Possible submenus can be, depending on the version:

- **Unit**: displayed units can be changed
- **Tire Pressure**: checks tyre pressure of all wheels during driving ⇨ 204
- **Tire Load**: select tyre pressure category according to the actually inflated tyre pressure ⇨ 204

- **Remaining Oil Life**: indicates when to change the engine oil and filter ⇨ 85

- **Speed Warning**: if exceeding the preset speed, a warning chime will be activated
- **Traffic Sign Assistant**: displays detected traffic signs for the current route section ⇨ 167
- **Following Dist.**: displays the distance to a preceding moving vehicle ⇨ 156

Trip/Fuel Information Menu

Press the **MENU** button to select .

Turn the adjuster wheel to select a page:

Page 1:

- Trip odometer 1
- Average consumption 1
- Average speed 1

Page 2:

- Trip odometer 2
- Average consumption 2
- Average speed 2

Page 3:

- Digital speed
- Range
- Instantaneous consumption

The information of page 1 and page 2 can be reset separately for odometer, average consumption and average speed, making it possible to display different trip information. Select pages by turning the adjuster wheel on the turn signal lever.

Trip odometer 1 or 2

Trip odometer displays the recorded distance since a certain reset.

Trip odometer counts up to a distance of 2,000 miles and then restarts at 0.

Reset trip odometer by pressing the **SET/CLR** button on the turn signal lever for a few seconds or by pressing the reset knob near the speedometer separately for selected page 1 or 2.

Average consumption 1 or 2

Display of average consumption. The measurement can be reset at any time and starts with a default value.

To reset, press the **SET/CLR** button for a few seconds separately for selected page 1 or 2.

Average speed 1 or 2

Display of average speed. The measurement can be reset at any time.

To reset, press the **SET/CLR** button for a few seconds separately for selected page 1 or 2.

Digital speed

Digital display of the instantaneous speed.

Range

Range is calculated from current fuel tank content and current consumption. The display shows average values.

After refuelling, the range is updated automatically after a brief delay.

When the fuel level in the tank is low, a message appears in the display.

When the tank has to be refuelled immediately, a warning message is displayed.

Additionally the control indicator Insignia in the fuel gauge illuminates or flashes ⇨ 92.

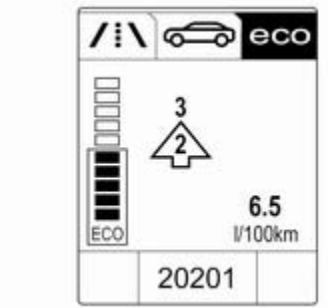
Instantaneous consumption

Displays the instantaneous consumption.

ECO Information Menu ECO

Press the **MENU** button to select ECO.

Turn the adjuster wheel to select a page:



- **Shift indication**: Current gear is indicated inside an arrow. The digit

above recommends upshifting for fuel saving reasons.

Eco index display: The current fuel consumption is indicated on a segment display. For economical driving adapt your driving style to keep the filled segments within the Eco area. The more segments are filled, the higher the fuel consumption. Simultaneously the current consumption value is indicated.

- **Top Consumers**: List of top comfort consumers currently switched on is displayed in descending order. Fuel saving potential is indicated. A switched off consumer disappears from the list and the consumption value will be updated.

  During sporadic driving conditions, the heated rear window is activated automatically to increase engine load. In this event, the heated rear window is indicated as one of the top consumers, without activation by the driver.

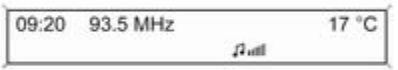
- **Economy Trend**: Displays the average consumption development over a distance of 50 miles. Filled segments display the consumption in 5 mile steps and shows the effect of topography or driving behaviour on fuel consumption.

Graphic-Info-Display, Colour-Info-Display

Depending on the vehicle configuration the vehicle has a Graphic-Info-Display or a Colour-Info-Display.

The Info-Displays is located in the instrument panel above the Infotainment system.

Graphic-Info-Display



Depending on the Infotainment system, the Graphic-Info-Display is available in two versions.

Graphic-Info-Display indicates:

- time ⇨ 80
- outside temperature ⇨ 80
- date ⇨ 80
- electronic climate control settings ⇨ 126
- Infotainment system, see description in the Infotainment system manual
- settings for vehicle personalisation ⇨ 102

Colour-Info-Display

The Colour-Info-Display indicates in colour:

- time ⇨ 80
- outside temperature ⇨ 80
- date ⇨ 80
- electronic climate control settings ⇨ 126
- rear view camera ⇨ 165
- Infotainment system, see description in the Infotainment system manual
- navigation, see description in the Infotainment system manual
- system settings
- vehicle messages ⇨ 100
- settings for vehicle personalisation ⇨ 102

The type of information and how it is displayed depends on the equipment of the vehicle and the settings made.

Selecting menus and settings

Menus and settings are accessed via the display.

Push button **CONFIG**: Menu page **Settings** is displayed.

Turn multifunction knob to:

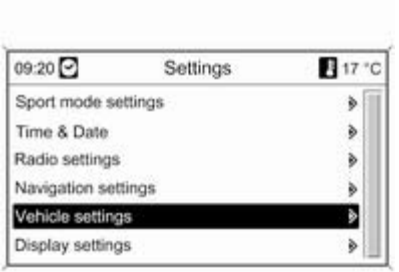
- select a setting or value
- display a menu option

Push multifunction knob to:

- confirm a setting or value
- select or activate the marked option
- switch a system function on/off

Push button **BACK** to:

- exit a menu or setting without changing
- return from a submenu to a higher menu level
- delete the last character in a character sequence. Push **BACK** for a few seconds to delete the entire entry.



To exit the **Settings** menu, push button **BACK** stepwise or push button **CONFIG** after confirming the changes.

Vehicle personalisation ⇨ 102.

Memorised settings ⇨ 20.

Vehicle messages

Messages are indicated in the Driver Information Centre (DIC), in some cases together with a warning and signal sound.

Press the **SET/CLR** button, the **MENU** button or turn the adjuster wheel to confirm a message.

Messages in the Driver Information Centre (DIC)

The vehicle messages are displayed as text. Follow the instructions given in the messages.

The system displays messages regarding the following topics:

- Service messages
- Fluid levels
- Anti-theft alarm system
- Brakes
- Ride control systems
- Driver assistance systems
- Cruise control
- Speed limiter
- Parking assist systems
- Lighting, bulb replacement
- Wiper/washer system
- Doors, windows
- Soft top
- Load compartment, boot lid
- Radio remote control
- Seat belts
- Airbag systems
- Engine and transmission
- Tyre pressure
- Diesel particle filter
- Vehicle battery status

Messages in the Colour-Info-Display

Some important messages may appear additionally in the Colour-Info-Display. Press the multifunction knob to confirm a message. Some messages only pop up for a few seconds.

Warning chimes

When starting the engine or whilst driving

Only one warning chime will sound at a time.

The warning chime regarding unfastened seat belts has priority over any other warning chime.

- If seat belt is not fastened.
- If a door or the boot lid is not fully closed when starting off.
- If the soft top is not completely opened or closed.
- If the soft top lid is not completely closed.
- If the load compartment partition is folded in when operating the soft top.
- If a certain speed is exceeded with parking brake applied.
- If a certain speed is exceeded when operating the soft top.
- If a programmed speed or speed limit is exceeded.

- If a warning message appears in the Driver Information Centre.
- If the parking assist detects an object.
- If unintended lane change occurs.
- If the diesel particle filter has reached the maximum filling level.

When the vehicle is parked and/ or the driver's door is opened

- When the key is in the ignition switch.
- With exterior lights on.

During an Autostop

- If the driver's door is opened.

Battery voltage

When the vehicle battery voltage is running low, a warning message will appear in the Driver Information Centre.

1. Switch off immediately any electrical consumers which are not required for a safe ride, e.g. seat heating, heated rear window or other main consumers.
2. Charge the vehicle battery by driving continuously for a while or by using a charging device.

The warning message will disappear after the engine has been started twice consecutively without a voltage drop.

If the vehicle battery cannot be recharged, have the cause of the fault remedied by a workshop.

Vehicle personalisation

The vehicle's behaviour can be personalised by changing the settings in the Info-Display.

Some of the personal settings for different drivers can be memorised individually for each vehicle key. Memorised settings ⇨ 20.

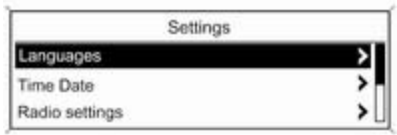
Depending on vehicle equipment and country-specific regulations some of the functions described below may not be available.

Some functions are only displayed or active when the engine is running.

Personal settings in the Graphic-Info-Display

CD 300/CD 400/CD400plus

Press the **CONFIG** button. The menu **Settings** is displayed.



The following settings can be selected by turning and pressing the multifunction knob:

- **Sport mode settings**
- **Languages**
- **Time Date**
- **Radio settings**
- **Phone settings**
- **Vehicle settings**

In the corresponding submenus the following settings can be changed:

Sport mode settings

The driver can select the functions which will be activated in Sport mode ⇨ 149.

- **Sport suspension**: Damping becomes harder.
- **Sport powertrain performance**: Accelerator pedal and gear change characteristics become more responsive.
- **Sport steering**: Steering support is reduced.
- **Swap backlight colour main instr.**: Change of instrument illumination colour.

Languages

Selection of the desired language.

Time Date

See Clock ⇨ 80.

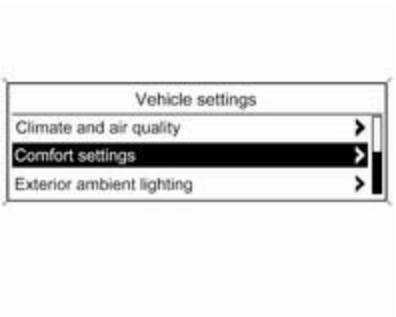
Radio settings

See description for Infotainment system in the Infotainment system manual.

Phone settings

See description for Infotainment system in the Infotainment system manual.

Vehicle settings

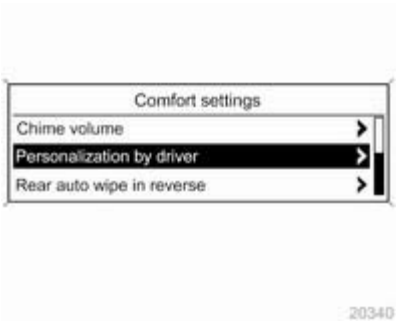


- **Climate and air quality**

  Auto fan speed: Modifies the level of the cabin airflow of the climate control in automatic mode.

  Climate control mode: Controls the state of the cooling compressor when the vehicle is started. Last setting (recommended) or at vehicle start either always ON or always OFF.

  Auto rear demist: Activates heated rear window automatically.



- **Comfort settings**

  Chime volume: Changes the volume of warning chimes.

  Personalization by driver: Activates or deactivates the personalisation function.

- **Park assist / Collision detection**

  Park assist: Activates or deactivates the parking assist.

  Side blind zone alert: Changes the settings for the side blind spot alert system.

- **Exterior ambient lighting**

  Duration upon exit of vehicle: Activates or deactivates and change the duration of exit lighting.

  Exterior lighting by unlocking: Activates or deactivates the welcome lighting.

- **Power door locks**

  Auto door lock: Activates or deactivates the automatic door unlocking function after switching off ignition. Activates or deactivates the automatic door locking function after driving off.

  Stop door lock if door open: Activates or deactivates the automatic door locking function while a door is open.

  Delayed door lock: Activates or deactivates the delayed door locking function.

- **Remote locking, unlocking, starting**

  Remote unlock feedback: Activates or deactivates the hazard warning flasher feedback whilst unlocking.

  Remote door unlock: Changes the configuration to unlock only the

driver's door or the whole vehicle whilst unlocking.

Auto relock doors: Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

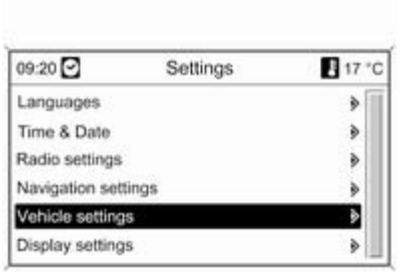
- **Restore factory settings**

  Restore factory settings: Reset all settings to the default settings.

Personal settings in the Colour-Info-Display

Navi 600/Navi 900

Press the **CONFIG** button. The menu **Settings** is displayed.



The following settings can be selected by turning and pressing the multifunction knob:

- **Sport mode settings**
- **Languages**
- **Time & Date**
- **Radio settings**
- **Phone settings**
- **Navigation settings**
- **Vehicle settings**
- **Display settings**

In the corresponding submenus the following settings can be changed:

Sport mode settings

The driver can select the functions which will be activated in Sport mode ⇨ 149.

- **Sport suspension**: Damping becomes harder.
- **Sport powertrain performance**: Accelerator pedal and gear change characteristics become more responsive.
- **Sport steering**: Steering support is reduced.
- **Swap backlight colour main instr.**: Change of instrument illumination colour.

Languages

Selection of the desired language.

Time & Date

See Clock ⇨ 80.

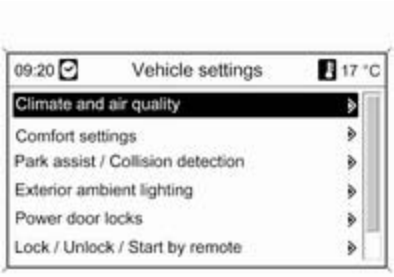
Radio settings

See description for Infotainment system in the Infotainment system manual.

Phone settings
See description for Infotainment system in the Infotainment system manual.

Navigation settings
See description for Infotainment system in the Infotainment system manual.

Vehicle settings

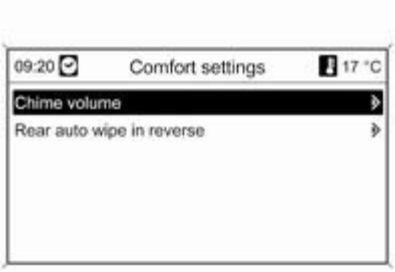


- **Climate and air quality**

  Auto fan speed: Modifies the level of the cabin airflow of the climate control in automatic mode.

  Climate control mode: Controls the state of the cooling compressor when the vehicle is started. Last setting (recommended) or at vehicle start either always ON or always OFF.

  Auto rear demist: Activates heated rear window automatically.



- **Comfort settings**

  Chime volume: Changes the volume of warning chimes.

- **Park assist / Collision detection**

  Park assist: Activates or deactivates the parking assist.

  Side blind zone alert: Changes the settings for the side blind spot alert system.

- **Exterior ambient lighting**

  Duration upon exit of vehicle: Activates or deactivates and changes the duration of exit lighting.

  Exterior lighting by unlocking: Activates or deactivates the welcome lighting.

- **Power door locks**

  Auto door lock: Activates or deactivates the automatic door unlocking function after switching off ignition. Activates or deactivates the automatic door locking function after driving off.

  Prevent doorlock while door open: Activates or deactivates the automatic door locking function while a door is open.

- **Lock / Unlock / Start by remote**

  Remote unlock feedback: Activates or deactivates the hazard warning flasher feedback whilst unlocking.

Remote door unlock: Changes the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

Auto relock doors: Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

- **Restore factory settings**

  Restore factory settings: Resets all settings to the default settings.

Display settings

Selectable display settings:

- **Day mode**: Optimisation for daylight conditions.
- **Night mode**: Optimisation for darkness.
- **Automatic mode**: The display changes mode when the vehicle lights are switched on/off.
- **Rear view camera**: Changes the settings for the rear view camera.
- **Picture frame**: See description for Infotainment system in the Infotainment system manual.

Settings in the Colour-Info-Display

CD 600/Navi 650/Navi 950

Press the **CONFIG** button on the Infotainment system faceplate to enter the Configuration menu.

Turn the multifunction knob to scroll upwards or downwards in the list. Press the multifunction knob (Navi 950 / Navi 650: press the outer ring) to select a menu item.

- **Sport Mode Profile**
- **Languages**
- **Time and Date**
- **Radio Settings**
- **Phone Settings**
- **Navigation Settings**
- **Display Settings**
- **Vehicle Settings**

In the corresponding submenus the following settings can be changed:

Sport Mode Profile

- **Engine Sport Performance**:

  Accelerator pedal and gear change characteristics become more responsive.

- **Sport Mode Back Lighting**:

  Change of instrument illumination colour.

- **Sport Suspension**: Damping becomes harder.
- **Sport Steering**: Steering support is reduced.

Languages

Selection of the desired language.

Time and Date

See Infotainment system manual for further information.

Radio Settings
See Infotainment system manual for further information.

Phone Settings
See Infotainment system manual for further information.

Navigation Settings
See Infotainment system manual for further information.

Display Settings
- **Home Page Menu**:
  See Infotainment system manual for further information.
- **Rear Camera Options**:
  Press to adjust the rear camera options ⇨ 165.
- **Display Off**:
  See Infotainment system manual for further information.
- **Map Settings**:
  See Infotainment system manual for further information.

Vehicle Settings
- **Climate and Air Quality**
  Auto Fan Speed: Modifies the level of the cabin airflow of the climate control in automatic mode.
  Air Conditioning Mode: Controls the state of the cooling compressor when the vehicle is started. Last setting (recommended) or at vehicle start either always ON or always OFF.
  Auto Rear Demist: Activates heated rear window automatically.
- **Comfort and Convenience**
  Chime Volume: Change the volume of warning chimes.
  Personalisation by Driver: Activates or deactivates the personalisation function.
- **Collision Detection Systems**
  Park Assist: Activate or deactivate the ultrasonic sensors.
  Side Blind Zone Alert: Activates or deactivates the side blind spot alert system.
- **Lighting**
  Vehicle Locator Lights: Activate or deactivate the entry lighting.
  Exit Lighting: Activate or deactivate and change the duration of exit lighting.
- **Power Door Locks**
  Open Door Anti Lock Out: Activate or deactivate the automatic door locking function while a door is open.
  Auto Door Lock: Activates or deactivates the automatic door unlocking function after switching off ignition. Activates or deactivates the automatic door locking function after driving-off.
  Delay Door Lock: Activate or deactivate the delayed door locking function.
- **Remote Lock/Unlock/Start**
  Remote Lock Feedback: Activate or deactivate the hazard warning light feedback whilst locking.
  Remote Unlock Feedback: Activate or deactivate the hazard warning flasher feedback whilst unlocking.

Remote Door Unlock: Change the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

Relock Remotely Unlocked Doors: Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

- **Return to Factory Settings?**: Reset all settings to the default settings.

Lighting

Exterior lighting 110
Interior lighting 119
Lighting features 121

Exterior lighting

Light switch

Turn light switch:

0 = lights off
≡D = sidelights
≡D = headlights

Control indicator ≡D ⇨ 93.

Light switch with Automatic light control

Turn light switch:

AUTO = automatic light control: Headlights are switched on and off automatically depending on external lighting conditions.
⏻ = activation or deactivation of the automatic light control. Switch turns back to **AUTO**.
≡D = sidelights
≡D = headlights

The current status of automatic light control is displayed In the Driver Information Centre.

When switching on the ignition, automatic light control is active.

When headlights are on, ≫⋐ illuminates. Control indicator ≫⋐ ⇨ 93.

Tail lights

Tail lights are illuminated together with headlights and sidelights.

Additional lights in the boot lid frame

Additional tail light assemblies, existing of tail lights and hazard warning flasher lights, are located in the boot lid frame. They are illuminated when lights are activated and the boot lid is open. Additional tail lights are only intended as position lights when the boot lid is open. They are not to be used when driving.

Automatic light control

When the automatic light control function is switched on and the engine is running, the system switches between daytime running light and headlights automatically, depending on the lighting conditions and information given by the rain sensor system.

Daytime running light ⇨ 114.

Automatic headlight activation

During poor lighting conditions the headlights are switched on.

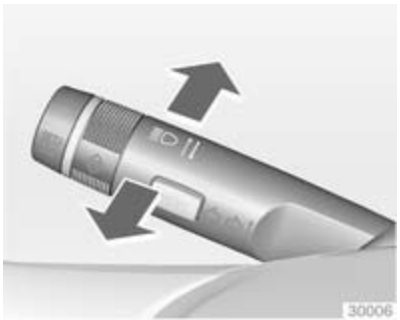
Furthermore the headlights are switched on if the windscreen wipers have been activated for several wipes.

Tunnel detection

When a tunnel is entered headlights are switched on immediately.

Adaptive forward lighting ⇨ 114.

High beam



To switch from low to high beam, push lever.

To switch to low beam, push lever again or pull.

High beam assist

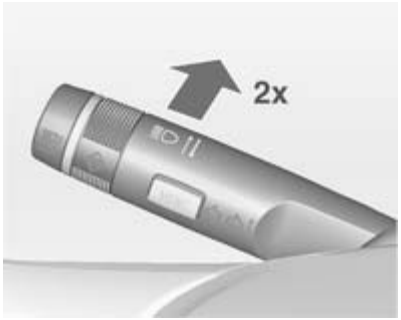
This feature allows high beam to function as the main driving light at night and when vehicle speed is faster than 25 mph.

It switches to low beam when:

- a sensor detects the lights of oncoming or preceding vehicles
- the vehicle speed is slower than 12 mph
- it is foggy or snowy
- driving in urban areas

If there are no restrictions detected, the system switches back to high beam.

Activation



The high beam assist is activated by pushing the indicator lever twice at a speed above 25 mph.

The green control indicator ≡D illuminates continuously when the assist is activated, the blue one ≡D illuminates when high beam is on.

Control indicator ≡D ⇨ 93.

Deactivation

Push indicator lever once. It is also deactivated when front fog lights are switched on.

If a headlight flash is activated when the high beam is on, the high beam assist will be deactivated.

If a headlight flash is activated when the high beam is off, the high beam assist will remain activated.

The latest setting of the high beam assist will remain after the ignition is switched on again.

Headlight flash

To activate the headlight flash, pull lever.

Headlight range adjustment

Manual headlight range adjustment

To adapt headlight range to the vehicle load to prevent dazzling: turn thumb wheel to required position.

0 = front seats occupied
1 = all seats occupied
2 = all seats occupied and load compartment laden
3 = driver's seat occupied and load compartment laden.

Dynamic automatic headlight levelling ⇨ 114.

Headlights when driving abroad

The asymmetrical headlight beam extends visibility at the edge of the road at the passenger side.

However, when driving in countries where traffic drives on the opposite side of the road, adjust the headlights to prevent dazzling of oncoming traffic.

Vehicles with halogen headlight system

The headlights do not have to be adjusted.

Vehicles with Xenon headlight system

1. Key in ignition switch.
2. Pull turn signal lever and hold (headlight flash).
3. Switch on ignition.
4. After approx. 5 seconds the control indicator starts flashing and an acoustic signal sounds.

Control indicator ⇨ 93.

Every time the ignition is switched on, flashes as a reminder for approx. 4 seconds.

To deactivate, operate the same procedure as described above. Control indicator ⫰ will not flash when function is deactivated.

Daytime running lights

Daytime running lights increase visibility of the vehicle during daylight.

They are switched on automatically when ignition is on.

If the vehicle is equipped with automatic light control function, the system switches between daytime running light and low/high beam automatically, depending on the lighting conditions and information given by the rain sensor system. Automatic light control ⇨ 111.

Adaptive forward lighting

The Adaptive forward lighting functions are only available with Bi-Xenon headlights. Light range, light distribution and intensity of light are variably triggered depending on the light conditions, weather and road type.

With the light switch in position **AUTO** all lighting functions are available.

The following functions are available also with light switch in position ≡D:

- Dynamic curve lighting
- Cornering light
- Reversing function
- Dynamic automatic headlight levelling

Playstreet lighting

Activated automatically at low speed up to approx. 20 mph. The light beam is turned at an angle of 8° to the roadside.

Town lighting

Activated automatically at a speed range between approx. 25 and 34 mph and when street lights are detected by the light sensor. The light range is reduced by an extended light distribution.

Country lighting

Activated automatically at a speed range between approx. 34 and 70 mph. The beam of light and the brightness is different between the left and the right side.

Motorway lighting

Activated automatically at a speed above approx. 70 mph and minimal steering movements. It switches on after a delay or directly when the vehicle is powerfully accelerated. The light beam is longer and brighter.

Adverse weather lighting

Activated automatically up to a speed of approx. 43 mph, when the rain sensor recognises condensation or the wiper operates continuously. The range, distribution and light intensity is regulated variably depending on visibility.

Dynamic curve lighting

The light beam pivots based on steering wheel angle and speed, improving lighting in curves.

Control indicator ⇧ ⇨ 93.

Corner lighting

On tight bends or when turning off, depending on the steering angle or the turn signal light, an additional left or right reflector is switched on which illuminates the road at a right angle to the direction of travel. It is activated up to a speed of 25 mph.

Control indicator ⇧ ⇨ 93.

Reversing function

If the headlights are on and reverse gear is engaged, both corner lights are switched on. They remain illuminated for 20 seconds after disengaging reverse gear or until driving faster than 10 mph in a forward gear.

High beam assist

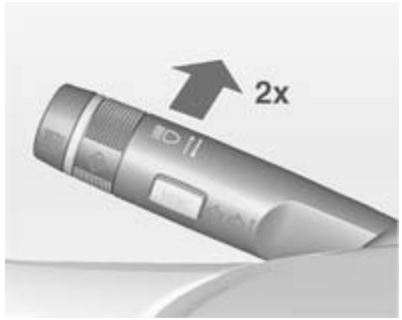
This feature allows high beam as main driving light by night and when vehicle speed is faster than 25 mph.

It switches to low beam when:

- the camera in the windscreen detects the lights of oncoming or preceding vehicles
- the vehicle speed is slower than 12 mph
- it is foggy or snowy
- driving in urban areas

If there are no restrictions detected, the system switches back to high beam.

Activation



The high beam assist is activated by pushing the indicator lever twice with a speed above 25 mph.

The green control indicator ≡D illuminates continuously when the assist is activated, the blue one ≡D illuminates when high beam is on.

Control indicator ≡D ⇨ 93.

Deactivation

Push indicator lever once. It is also deactivated when front fog lights are switched on.

If a headlight flash is activated when the high beam is on, the high beam assist will be deactivated.

If a headlight flash is activated when the high beam is off, the high beam assist will stay activated.

High beam assist is always active after the ignition is switched on.

Intelligent light ranging with automatic high beam activation

Intelligent light ranging uses the properties of Bi-Xenon headlights to extend the light range of the low beam by up to 400 metres and additionally activates automatic high beam without dazzling or disturbing oncoming or preceding traffic.

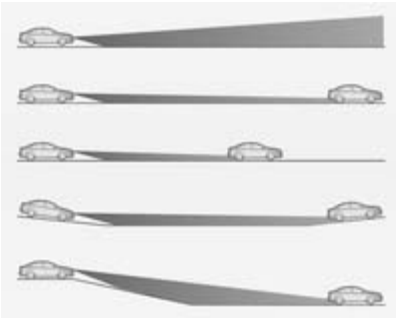
High beam is deactivated and the low beam light range is reduced to avoid dazzling when the following restrictions are detected by the front camera in the windscreen:

- a preceding vehicle is recognised,
- an oncoming vehicle is recognised,
- urban areas are entered,
- it is foggy or snowy.

If there are no restrictions detected, the system switches back to high beam.

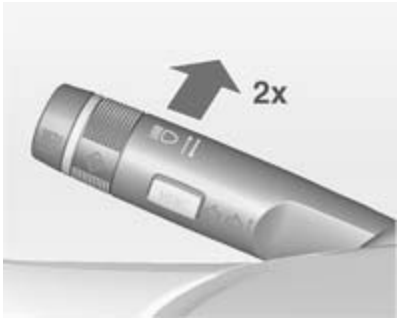
When the system is active, the front camera monitors the area ahead of the vehicle and ensures an optimum light distribution for maximum driver vision during almost all conditions.

Intelligent light ranging with automatic high beam activation therefore reduces the difference between conventional low and high beam without drastic changes in light-range, distribution and intensity.



A special topographical evaluation function detects preceding vehicles on hills or slopes by recognising the rear light moving ahead. The system adjusts the height of the light range to ensure optimum illumination on the road ahead without dazzling.

Activation



Intelligent light ranging and automatic high beam activation are switched on together by pushing the indicator lever twice. They can be switched on with ignition on.

Automatic high beam activation operates at a speed above 25 mph and deactivates below 12 mph. Intelligent light ranging operates above 35 mph.

The green control indicator illuminates continuously when the function is activated, the blue one illuminates when high beam switches on automatically.

Deactivation

Push indicator lever once. It is also deactivated when front fog lights are switched on.

Dynamic automatic headlight levelling

To prevent oncoming traffic from dazzle, headlight levelling is automatically adjusted based on inclination information measured by front and rear axle, acceleration or deceleration and vehicle speed.

Fault in Adaptive forward lighting system

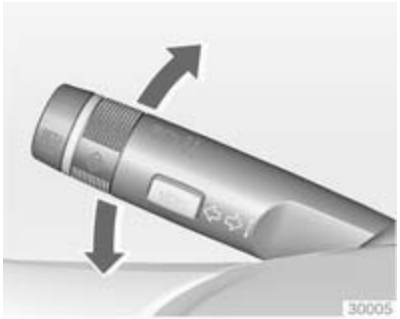
When the system detects a failure in the Adaptive forward lighting system, the system moves to a preset position to avoid dazzling of oncoming traffic. If this is not possible, the affected headlight will be automatically switched off. In any case, one headlight will stay on. A warning is displayed in the Driver Information Centre.

Hazard warning flashers

Operated with the button.

In the event of an accident with airbag deployment the hazard warning flashers are activated automatically.

Turn and lane-change signals



lever up = right turn signal
lever down = left turn signal

If the lever is moved past the resistance point, the turn signal is switched on constantly. When the steering wheel moves back, the turn signal is automatically deactivated.

For three flashes, e.g. when changing lanes, press the lever until resistance is felt and then release.

When a trailer is connected, turn signal flashes six times when pressing the lever until resistance is felt and then releasing.

Move the lever to the resistance point and hold for longer indication.

Switch the turn signal off manually by moving the lever to its original position.

Front fog lights

Operated with the button.

Light switch in position **AUTO**: switching on front fog lights will switch headlights on automatically.

Rear fog lights

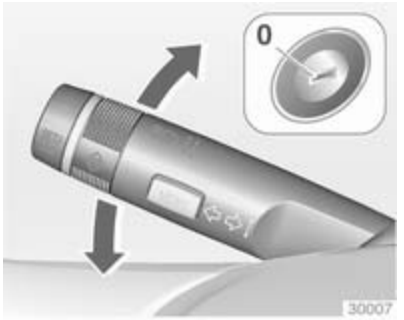
Operated with the button.

Light switch in position **AUTO**: switching on rear fog light will switch headlights on automatically.

Light switch in position : rear fog light can only be switched on with front fog lights.

The vehicle rear fog light is deactivated when towing.

Parking lights



When the vehicle is parked, the parking lights on one side can be activated:

1. Switch off ignition.
2. Move turn signal lever all the way up (right parking lights) or down (left parking lights).

Confirmed by a signal and the corresponding turn signal control indicator.

Reversing lights

The reversing light comes on when the ignition is on and reverse gear is selected.

Misted light covers

The inside of the light housing may mist up briefly in poor, wet and cold weather conditions, in heavy rain or after washing. The mist disappears quickly by itself; to help switch on the headlights.

Interior lighting

Instrument panel illumination control

Brightness of the following lights can be adjusted when the exterior lights are on:

- Instrument panel illumination
- ambient light
- dome light
- Info-Display
- Illuminated switches and operation elements.

Turn thumb wheel and hold until the desired brightness is obtained.

On vehicles with light sensor, the brightness can only be adjusted when the exterior lights are on and the light sensor detects night conditions.

Interior lights

During entry and exit of the vehicle, the front and rear courtesy lights automatically switch on and then off after a delay.

Note

In the event of an accident with airbag deployment the courtesy lights are turned on automatically.

Front courtesy light

Operate rocker switch:

	=	automatic switching on and off
press	=	on
press	=	off

Dome light

Spotlight incorporated in the interior lighting comes on when headlights are switched on.

Ambient light

Ambient light consists of indirect lights in the doors and around the gear selector lever.

Ambient light can be dimmed using thumb wheel together with the instrument panel illumination ⇨ 119.

It is also activated with Entry lighting ⇨ 121 and Exit lighting ⇨ 121.

Reading lights

Operated with and buttons in courtesy lights.

Sunvisor lights

Illuminates when the cover is opened.

Lighting features

Entry lighting

Welcome lighting

The following lights are switched on for a short time by unlocking the vehicle with the radio remote control:

- headlights,
- tail lights,
- reversing lights,
- number plate lights,
- instrument panel light,
- interior lights,
- puddle lights.

Some functions work only in the dark and facilitates locating the vehicle.

The lighting switches off immediately when the ignition key is turned to position **1** ⇨ 134.

The following lights will additionally switch on when the driver's door is opened:

- all switches,
- Driver Information Centre,
- door pocket lights,
- console lights.

Activation, deactivation and duration of this function can be changed in the Info-Display. Vehicle personalisation ⇨ 102.

The settings can be saved for the key being used ⇨ 20.

Exit lighting

The following lights switch on if the key is removed from the ignition switch:

- Interior lights
- Instrument panel light (only when it is dark)
- Door and console lights
- Puddle lights

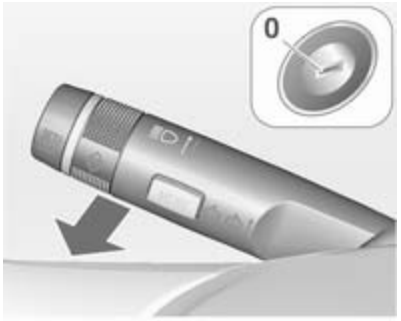
They will switch off automatically after a delay and will be activated again if the driver's door is opened.

Headlights, tail lights, reversing lights and number plate lights illuminate the surrounding area for an adjustable time after leaving the vehicle.

Path lighting

Headlights, tail lights, reversing lights and number plate lights illuminate the surrounding area for an adjustable time after leaving the vehicle.

Activating



1. Switch off ignition
2. Remove ignition key
3. Open driver's door
4. Pull turn signal lever
5. Close driver's door

If the driver's door is not closed, the lights switch off after two minutes.

Exit lighting is switched off immediately if the turn signal lever is pulled while the driver's door is open.

Activation, deactivation and duration of this function can be changed in the Info-Display. Vehicle personalisation ⇨ 102.

The settings can be saved for the key being used ⇨ 20.

Battery discharge protection

Vehicle battery state of charge function

The function guarantees longest vehicle battery life via a generator with controllable power output and optimised power distribution.

To prevent discharge of the vehicle battery when driving, the following systems are reduced automatically in two stages and finally switched off:

- Auxiliary heater
- Heated rear window and mirrors
- Heated seats
- Fan

In the second stage, a message which confirms activation of the vehicle battery discharge protection will be displayed in the Driver Information Centre.

Switching off electric lights

To prevent discharge of the vehicle battery when the ignition is switched off, some interior lights are switched off automatically after some time.

Climate control

Climate control systems 123
Air vents 131
Maintenance 131

Climate control systems

Heating and ventilation system

Controls for:

- Temperature
- Air distribution
- Fan speed
- Demisting and defrosting

Heated rear window ⇨ 32.

Temperature

red = warm
blue = cold

Heating will not be fully effective until the engine has reached normal operating temperature.

Air distribution

= to windscreen and front door windows
= to head area via adjustable air vents
= to foot well

All combinations are possible.

Fan speed

Adjust the air flow by switching the fan to the desired speed.

Demisting and defrosting

- Press button : fan automatically switches to higher speed, the air distribution is directed towards the windscreen.
- Set temperature control to warmest level.
- Switch on heated rear window .
- Open side air vents as required and direct them towards the door windows.

Air conditioning system

In addition to the heating and ventilation system, the air conditioning system has controls for:

= cooling
= air recirculation

Heated seats ⇨ 53, Heated steering wheel ⇨ 77.

Cooling

Press button to switch on cooling. Activation is indicated by the LED in the button. Cooling is only functional when the engine is running and climate control fan is switched on.

Press button again to switch off cooling.

The air conditioning system cools and dehumidifies (dries) as soon as the outside temperature is slightly above the freezing point. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch off the cooling system for fuel saving reasons. Activated cooling might inhibit autostops.

Air recirculation system

Press button to activate air recirculation mode. Activation is indicated by the LED in the button.

Press button again to deactivate recirculation mode.

⚠ Warning

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling the air humidity increases, so the windows may mist up from inside. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

In warm and very humid ambient air conditions, the windscreen might mist up from outside, when cold air is directed to it. If windscreen mists up from outside, activate windscreen wiper and deactivate .

Maximum cooling

Briefly open the windows so that hot air can disperse quickly.

- Switch on cooling .
- Air recirculation system on.
- Press air distribution switch .
- Set temperature control to coldest level.
- Set fan speed to highest level.
- Open all vents.

Demisting and defrosting the windows

- Press button : fan automatically switches to higher speed, the air distribution is directed towards the windscreen.
- Switch on cooling .
- Set temperature control to warmest level.
- Switch on heated rear window .
- Open side air vents as required and direct them towards the door windows.

Note

If the button is pressed while the engine is running, an Autostop will be inhibited until the button is pressed again.

If the button is pressed while the engine is in an Autostop, the engine will restart automatically.

Stop-start system ⇨ 136.

Electronic climate control system

The dual zone climate control allows different climatisation temperatures for driver and front passenger side.

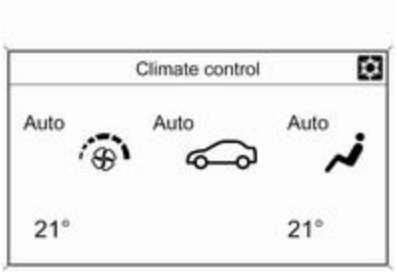
In Automatic mode temperature, fan speed and air distribution are regulated automatically.

Controls for:

- Temperature on driver side
- Air distribution
- Fan speed
- Temperature on front passenger side

	=	cooling
AUTO	=	automatic mode
	=	manual air recirculation
	=	demisting and defrosting

Heated rear window ⇨ 32, Heated seats ⇨ 53, Ventilated seats ⇨ 53, Heated steering wheel ⇨ 77.



Climate control settings are shown on the Graphic-Info-Display, or depending on the version, on Colour-Info-Display. Setting modifications are briefly popped-up in both displays, superimposed over the currently displayed menu.

The electronic climate control system is only fully operational when the engine is running.

Automatic mode AUTO

Basic setting for maximum comfort:

- Press **AUTO** button, the air distribution and fan speed are regulated automatically.
- Open all air vents to allow optimised air distribution in automatic mode.
- Press ☼ to switch on optimal cooling and demisting. Activation is indicated by the LED in the button.
- Set the preselected temperatures for driver and front passenger using the left and right rotary knob. Recommended temperature is 22 °C.

When the soft top is opened, the Climate control adapts the automatic mode to the changed climatic environment.

The fan speed regulation in automatic mode can be changed in the menu **Settings**.

Vehicle personalisation ⇨ 102.

Temperature preselection

Set temperatures to the desired value.

If the minimum temperature **Lo** is set, the climate control system runs at maximum cooling, if cooling ❄ is switched on.

If the maximum temperature **Hi** is set, the climate control system runs at maximum heating.

Note
If ❄ is switched on, reducing the set cabin temperature can cause the engine to restart from an Autostop or inhibit an Autostop.

Demisting and defrosting the windows

- Press button . Activation is indicated by the LED in the button.
- Press button ❄ for cooling. Activation is indicated by the LED in the button.
- Temperature and air distribution are set automatically and the fan runs at high speed.
- Switch on heated rear window .
- To return to previous mode: press button , to return to automatic mode: press button **AUTO**.

Setting of automatic rear window heating can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 102.

Note
If the button is pressed while the engine is running, an Autostop will be inhibited until the button is pressed again.

If the button is pressed while the engine is in an Autostop, the engine will restart automatically.

Stop-start system ⇨ 136.

Manual settings

Climate control system settings can be changed by activating the buttons and rotary knobs as follows. Changing a setting will deactivate the automatic mode.

Fan speed ⌘

Press lower button to decrease or upper button to increase fan speed as shown in the illustration. The fan speed is indicated by the number of segments in the display.

Pressing the lower button longer: fan and cooling are switched off.

Pressing the upper button longer: the fan runs at maximum speed.

To return to automatic mode: Press **AUTO** button.

Air distribution

Press appropriate button for desired adjustment. Activation is indicated by the LED in the button.

- = to windscreen and front door windows.
- = to head area via adjustable air vents.
- = to foot well.

All combinations are possible.

Return to automatic air distribution: press button **AUTO**.

Cooling

Press button to switch on cooling. Activation is indicated by the LED in the button. Cooling is only functional when the engine is running and climate control fan is switched on.

Press button again to switch off cooling.

The air conditioning system cools and dehumidifies (dries) when outside temperature is above a specific level. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch off the cooling system for fuel saving reasons. When the cooling system is switched off, no engine restart will be requested by the climate control system during an Autostop. Exception: defrost system is activated and outside temperature above 0° C requests a restart.

The display will indicate **ACON** when cooling is activated or **ACOFF** when the cooling is deactivated.

Activation or deactivation of cooling operation after engine start can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 102.

Air recirculation mode

Press button to activate air recirculation mode. Activation is indicated by the LED in the button.

Press button again to deactivate recirculation mode.

⚠ Warning

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling the air humidity increases, so the windows may mist up from inside. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

In warm and very humid ambient air conditions, the windscreen might mist up from outside, when cold air is directed to it. If windscreen mists up from outside, activate windscreen wiper and deactivate .

Basic settings

Some settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 102.

Auxiliary heater

Air heater

Quickheat is an electric auxiliary air heater which automatically warms up the passenger compartment more quickly.

Air vents

Adjustable air vents

At least one air vent must be open while the cooling is on.

To open the vent, turn the adjuster wheel towards the bigger ▮ symbol. Adjust the air amount at the vent outlet by turning the adjuster wheel.

Direct the flow of air by tilting and swivelling the slats.

To close the vent, turn the adjuster wheel towards the smaller ▮ symbol.

⚠Warning

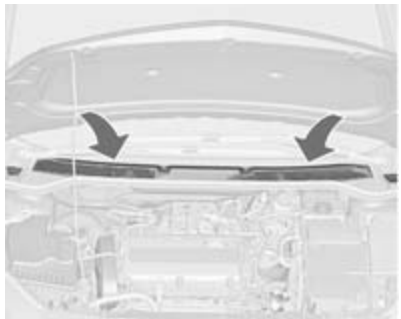
Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

Fixed air vents

Additional air vents are located beneath the windscreen and door windows and in the foot wells.

Maintenance

Air intake



The air intake in front of the windscreen in the engine compartment must be kept clear to allow air intake. Remove any leaves, dirt or snow.

Pollen filter

The pollen filter cleans dust, soot, pollen and spores from the air entering the vehicle through the air intake.

Air conditioning regular operation

In order to ensure continuously efficient performance, cooling must be operated for a few minutes once a month, irrespective of the weather and time of year. Operation with cooling is not possible when the outside temperature is too low.

Service

For optimal cooling performance, it is recommended to annually check the climate control system, starting three years after initial vehicle registration, including:

- Functionality and pressure test
- Heating functionality
- Leakage check
- Check of drive belts
- Cleaning of condenser and evaporator drainage
- Performance check

Driving and operating

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Starting and operating 134
Engine exhaust 139
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Manual transmission 144
Brakes 144
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Driver assistance systems 151
Fuel 171
Trailer hitch 174

Driving hints

Control of the vehicle

Never coast with engine not running (except during Autostop)

Many systems will not function in this situation (e.g. brake servo unit, power steering). Driving in this manner is a danger to yourself and others. All systems function during an Autostop, but there will be a controlled reduction in power steering assist and vehicle speed is reduced.

Stop-start system ⇨ 136.

Idle boost

If charging of the battery is required due to battery condition, the power output of the generator has to be increased. This will be achieved by an idle boost which may be audible. A message appears in the Driver Information Centre.

Pedals

To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.

Steering

If power steering assist is lost because the engine stops or due to a system malfunction, the vehicle can be steered but may require increased effort.

Control indicator ⊖! ⇨ 91.

Caution
Vehicles equipped with hydraulic power steering: If the steering wheel is turned until it reaches the end of its travel, and is held in that position for more than 15 seconds, damage may occur to the power steering system and there may be loss of power steering assist.

Ground clearance

Due to the reduced ground clearance, the vehicle can be damaged depending on the vehicle loading and appearance of the ground. Take special care and drive slowly on steep driveways, entry and exit of parking garages, high kerbs and uneven surfaces. If possible, drive diagonally with one wheel after another when running over kerbs or uneven surfaces.

Starting and operating

New vehicle running-in

Do not brake unnecessarily hard for the first few journeys.

During the first drive, smoke may occur because of wax and oil evaporating off the exhaust system. Park the vehicle in the open for a while after the first drive and avoid inhaling the fumes.

During the running-in period fuel and engine oil consumption may be higher and the cleaning process of the diesel particle filter may take place more often. Autostop may be inhibited to allow for charging the vehicle battery.

Diesel particle filter ⇨ 139.

Ignition switch positions

0 = Ignition off
1 = Steering wheel lock released, ignition off
2 = Ignition on, for diesel engine: preheating
3 = Starting

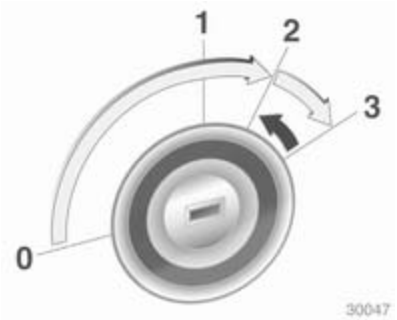
Retained power off

The following electronic systems can work until the driver's door is opened or at the latest for 10 minutes after the ignition is switched off:

- Power windows
- Power outlets

Power to the Infotainment system will continue to operate for 30 minutes or until the key is removed from the ignition switch, regardless of whether any door will be opened.

Starting the engine



Manual transmission: operate clutch.

Automatic transmission: operate brake and move the selector lever to **P** or **N**.

Do not operate the accelerator pedal.

Diesel engine: turn the key to position **2** for preheating until control indicator ⟒ extinguishes.

Turn the key briefly to position **3** and release: an automatic procedure operates the starter with a short delay as long as the engine is running, see Automatic Starter Control.

Before restarting or to switch off the engine, turn the key back to position **0**.

During an Autostop, the engine can be started by depressing the clutch pedal.

Starting the vehicle at low temperatures

Starting the engine without additional heaters is possible down to -25 °C for diesel engines and -30 °C for petrol engines. Required is an engine oil with the correct viscosity, the correct fuel, performed services and a sufficiently charged vehicle battery. With temperatures below -30 °C the automatic transmission needs a warming phase of approx. 5 minutes. The selector lever must be in position **P**.

Automatic Starter Control

This function controls the engine starting procedure. The driver does not have to hold the key in position **3**. Once applied, the system will go on starting automatically until the engine is running. Because of the checking procedure, the engine starts running after a short delay.

Possible reasons for a non-starting engine:

- Clutch pedal not operated (manual transmission)
- Brake pedal not operated or selector lever not in **P** or **N** (automatic transmission)
- Timeout occurred

Turbo engine warm-up

Upon start-up, engine available torque may be limited for a short time, especially when the engine temperature is cold. The limitation is to allow the lubrication system to fully protect the engine.

Overrun cut-off

The fuel supply is automatically cut off during overrun, i.e. when the vehicle is driven with a gear engaged but accelerator is released.

Stop-start system

The stop-start system helps to save fuel and to reduce the exhaust emissions. When conditions allow, it switches off the engine as soon as the vehicle is at a low speed or at a standstill, e.g. at a traffic light or in a traffic jam. It starts the engine automatically as soon as the clutch is depressed. A vehicle battery sensor ensures that an Autostop is only performed if the vehicle battery is sufficiently charged for a restart.

Activation

The stop-start system is available as soon as the engine is started, the vehicle starts-off and the conditions as stated below in this section are fulfilled.

Deactivation

Deactivate the stop-start system manually by pressing the **eco** button. The deactivation is indicated when the LED in the button extinguishes.

Autostop

If the vehicle is at a low speed or at a standstill, activate an Autostop as follows:

- Depress the clutch pedal
- set the lever in neutral
- release the clutch pedal

The engine will be switched off while the ignition stays on.

An Autostop is indicated by the needle at the **AUTOSTOP** position in the tachometer.

During an Autostop, the heating and brake performance will be maintained.

Caution
The steering assist can be reduced during an Autostop.

Conditions for an Autostop

The stop-start system checks if each of the following conditions is fulfilled:

- The stop-start system is not manually deactivated
- the bonnet is fully closed
- the driver's door is closed or the driver's seat belt is fastened
- the vehicle battery is sufficiently charged and in good condition
- the engine is warmed up
- the engine coolant temperature is not too high
- the engine exhaust temperature is not too high, e.g. after driving with high engine load
- the ambient temperature is above -5° C
- the climate control system allows an Autostop
- the brake vacuum is sufficient
- the self-cleaning function of the diesel particle filter is not active
- the vehicle was driven at least at walking speed since the last Autostop

Otherwise an Autostop will be inhibited.

Certain settings of the climate control system may inhibit an Autostop. See Climate control chapter for more details ⇨ 126.

Immediately after motorway driving an Autostop may be inhibited.

New vehicle running-in ⇨ 134.

Battery discharge protection

To ensure reliable engine restarts, several battery discharge protection features are implemented as part of the stop-start system.

Power saving measures

During an Autostop, several electrical features, e.g. auxiliary electric heater or rear window heating are disabled or switched into a power saving mode. The fan speed of the climate control system is reduced to save power.

Restart of the engine by the driver

Depress the clutch pedal to restart the engine.

The engine start is indicated by the needle at the idle speed position in the tachometer.

If the selector lever is shifted out of neutral before depressing the clutch first, control indicator illuminates or is shown as a symbol in the Driver Information Centre.

Control indicator ⇨ 89.

Restart of the engine by the stop-start system

The selector lever has to be in neutral to enable an automatic restart.

If one of the following conditions occurs during an Autostop, the engine will be restarted automatically by the stop-start system:

- The stop-start system is manually deactivated
- the bonnet is opened
- the driver's seat belt is unfastened and the driver's door is opened
- the engine temperature is too low
- the charging level of the vehicle battery is below a defined level
- the brake vacuum is not sufficient
- the vehicle is driven at least at walking speed
- the climate control system requests an engine start
- the air conditioning is manually switched on

If the bonnet is not fully closed, a warning message is displayed in the Driver Information Centre.

If an electrical accessory, e.g. a portable CD player, is connected to the power outlet, a brief power drop during restart might be noticeable.

Parking

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply parking brake. Apply manual parking brake without pressing release button. Apply as firmly as possible on downhill or uphill slopes. Depress the foot brake at the same time to reduce operating force.

  Apply electric parking brake by pulling switch Ⓟ for approx. one second.
- Switch off the engine and ignition. Turn the steering wheel until the steering wheel lock engages.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to **P** before switching off the ignition. On an uphill slope, turn the front wheels away from the kerb.

  If the vehicle is on a downhill slope, engage reverse gear or set the selector lever to **P** before switching off the ignition. Turn the front wheels towards the kerb.
- Lock the vehicle and activate the anti-theft alarm system.

Note
In the event of an accident with airbag deployment, the engine is turned off automatically if the vehicle comes to a standstill within a certain time.

Engine exhaust

⚠ Danger

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault rectified by a workshop.

Avoid driving with an open load compartment, otherwise exhaust gases could enter the vehicle.

Diesel particle filter

The diesel particle filter system filters harmful soot particles out of the exhaust gases. The system includes a self-cleaning function that runs automatically during driving without any notification. The filter is cleaned by periodically burning off the soot particles at high temperature. This process takes place automatically under set driving conditions and may take up to 25 minutes. Typically it needs between 7 and 12 minutes. Autostop is not available and fuel consumption may be higher during this period. The emission of smells and smoke during this process is normal.

Under certain driving conditions, e.g. short distances, the system cannot clean itself automatically.

If the cleaning of the filter is required and if previous driving conditions did not enable automatic cleaning, it will be indicated by control indicator .

Simultaneously **Diesel partic. filter is full continue driving** appears in the Driver Information Centre.

illuminates when diesel particle filter is full. Start cleaning process as soon as possible.

flashes when diesel particle filter has reached the maximum filling level. Start cleaning process immediately to avoid damage to the engine.

Cleaning process

To activate cleaning process, continue driving, keep engine speed above 2000 revolutions per minute. Shift down if necessary. Diesel particle filter cleaning is then started.

If additionally a message appears in the Driver Information Centre that cleaning is not possible, seek the assistance of a workshop.

Caution
If the cleaning process is interrupted, there is a risk of provoking severe engine damage.

Cleaning takes place quickest at high engine speeds and loads.

The control indicator extinguishes as soon as the self-cleaning operation is complete.

Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gases.

Caution
Fuel grades other than those listed on pages ⇨ 171, ⇨ 231 could damage the catalytic converter or electronic components. Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

In the event of misfiring, uneven engine running, a reduction in engine performance or other unusual problems, have the cause of the fault rectified by a workshop as soon as possible. In an emergency, driving can be continued for a short period, keeping vehicle speed and engine speed low.

Automatic transmission

The automatic transmission permits automatic gearshifting (automatic mode) or manual gearshifting (manual mode).

Transmission display

The mode or selected gear is shown in the transmission display.

Selector lever

P = park position, wheels are locked, engage only when the vehicle is stationary and the parking brake is applied
R = reverse gear, engage only when the vehicle is stationary
N = neutral
D = automatic mode with all gears

The selector lever is locked in **P** and can only be moved when the ignition is on and the brake pedal is applied.

Without brake pedal applied, the control indicator illuminates.

If the selector lever is not in **P** when the ignition is switched off, the control indicators and **P** flash.

To engage **P** or **R**, press the release button.

The engine can only be started with the lever in position **P** or **N**. When position **N** is selected, press the brake pedal or apply the parking brake before starting.

Do not accelerate while engaging a gear. Never depress the accelerator pedal and brake pedal at the same time.

When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

Engine braking

To utilise the engine braking effect, select a lower gear in good time when driving downhill, see manual mode.

Rocking the vehicle

Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud or snow. Move the selector lever between **D** and **R** in a repeat pattern. Do not race the engine and avoid sudden acceleration.

Parking

Apply the parking brake and engage **P**.

The ignition key can only be removed when the selector lever is in position **P**.

Manual mode

Move selector lever out of position **D** towards the left and then forwards or backwards.

+ = Shift to a higher gear.

− = Shift to a lower gear.

If a higher gear is selected when vehicle speed is too low, or a lower gear when vehicle speed is too high, the shift is not executed. This can cause a message in the Driver-Info-Display.

In manual mode no automatic shifting to a higher gear takes place at high engine revolutions.

Electronic driving programmes

- Following a cold start, the operating temperature programme increases engine speed to quickly bring the catalytic converter to the required temperature.
- The automatic neutral shift function automatically shifts to idling when the vehicle is stopped with a forward gear engaged and the brake pedal is pressed.
- When SPORT mode is engaged, the vehicle shifts at higher engine speeds (unless cruise control is on). SPORT mode ⇨ 149.
- Special programmes automatically adapt the shifting points when driving up inclines or down hills.

Kickdown

If the accelerator pedal is pressed down completely in automatic mode, the transmission shifts to a lower gear depending on engine speed.

Fault

In the event of a fault a vehicle message is displayed in the Driver Information Centre. Vehicle messages ⇨ 100.

The transmission no longer shifts automatically. Continued travel is possible with manual shifting.

Only the highest gear is available. Depending on the fault, 2nd gear may also be available in manual mode. Shift only when vehicle is at a standstill.

Have the cause of the fault remedied by a workshop.

Interruption of power supply

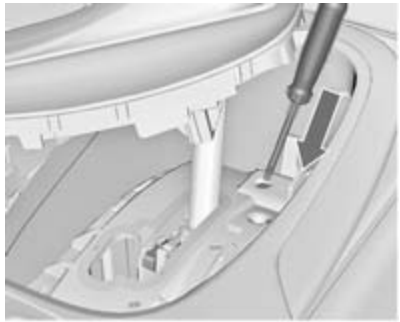
In the event of an interruption of power supply, the selector lever cannot be moved out of the **P** position. The ignition key cannot be removed from the ignition switch.

If the vehicle battery is discharged, start the vehicle using jump leads ⇨ 216.

If the vehicle battery is not the cause of the fault, release the selector lever.

1. Apply the parking brake.

2. Release the selector lever trim from the centre console at the front, fold it upwards and rotate it to the left.



3. Insert a screwdriver into the opening as far as it will go and move the selector lever out of **P** or **N**. If **P** or **N** is engaged again, the selector lever will be locked in position again. Have the cause of the power supply interruption remedied by a workshop.
4. Mount the selector lever trim onto the centre console and refit.

Manual transmission

To engage reverse, with the vehicle stationary wait 3 seconds after depressing the clutch pedal and then press the release button on the selector lever and engage the gear.

If the gear does not engage, set the lever to neutral, release the clutch pedal and depress again; then repeat gear selection.

Do not grind the clutch unnecessarily.

When operating, depress the clutch pedal completely. Do not use the pedal as a foot rest.

Caution
It is not advisable to drive with the hand resting on the selector lever.

Brakes

The brake system comprises two independent brake circuits.

If a brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is depressed firmly. Considerably more force is needed for this. The braking distance is extended. Seek the assistance of a workshop before continuing your journey.

When the engine is not running, the support of the brake servo unit disappears once the brake pedal has been depressed once or twice. Braking effect is not reduced, but braking requires significantly greater force. It is especially important to bear this in mind when being towed.

Control indicator (!) ⇨ 89.

Antilock brake system

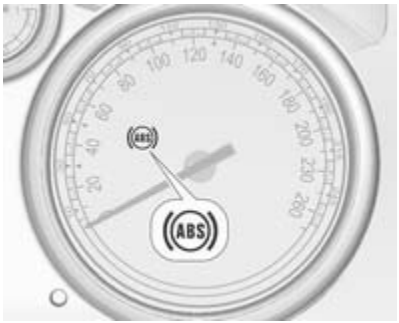
Antilock brake system (ABS) prevents the wheels from locking.

ABS starts to regulate brake pressure as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even during hard braking.

ABS control is made apparent through a pulse in the brake pedal and the noise of the regulation process.

For optimum braking, keep the brake pedal fully depressed throughout the braking process, despite the fact that the pedal is pulsating. Do not reduce the pressure on the pedal.

After starting off the system performs a self-test which may be audible.



Control indicator (ABS) ⇨ 90.

Adaptive brake light

During full braking, all three brake lights flash for the duration of ABS control.

Fault

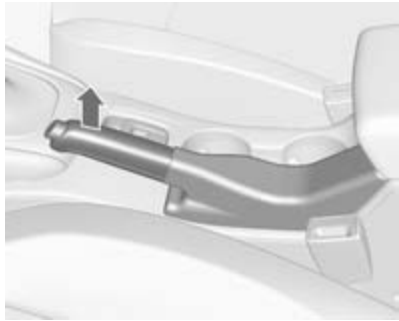
⚠Warning

If there is a fault in the ABS, the wheels may be liable to lock due to braking that is heavier than normal. The advantages of ABS are no longer available. During hard braking, the vehicle can no longer be steered and may swerve.

Have the cause of the fault remedied by a workshop.

Parking brake

Manual parking brake



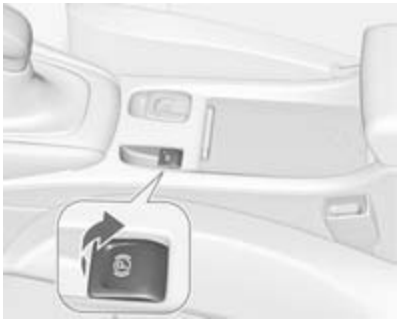
Always apply parking brake firmly without operating the release button, and apply as firmly as possible on a downhill or uphill slope.

To release the parking brake, pull the lever up slightly, press the release button and fully lower the lever.

To reduce the operating forces of the parking brake, depress the foot brake at the same time.

Control indicator (!) ⇨ 89.

Electric parking brake



Applying when vehicle is stationary

Pull switch Ⓟ for approx.
one second, the electric parking brake operates automatically with an adequate force. For maximum force, e.g. parking with trailer or on inclines, pull switch Ⓟ twice.

The electric parking brake is applied when control indicator Ⓟ illuminates ⇨ 90.

The electric parking brake can always be activated, even if the ignition is off.

Do not operate electric parking brake system too often without engine running as this will discharge the vehicle battery.

Before leaving the vehicle, check the electric parking brake status. Control indicator Ⓟ ⇨ 90.

Releasing

Switch on ignition. Keep brake pedal depressed and then push switch Ⓟ.

Drive away function

Depressing clutch pedal (manual transmission) or engaging drive gear (automatic transmission) and then depressing the accelerator pedal releases the electric parking brake automatically. This is not possible when the switch is pulled at the same time.

This function also helps driving away on inclines.

Aggressive drive away may reduce life time of wear parts.

Dynamic braking when vehicle is moving

When the vehicle is moving and the switch Ⓟ is kept pulled, the electric parking brake system will decelerate the vehicle, but will not apply statically.

As soon as the switch Ⓟ is released, dynamic braking will be stopped.

Fault

Failure mode of electric parking brake is indicated by control indicator and by a vehicle message which is displayed in the Driver Information Centre.

Apply electric parking brake: pull and hold the switch Ⓟ for more than 5 seconds. If control indicator Ⓟ illuminates, electric parking brake is applied.

Release electric parking brake: push and hold the switch Ⓟ for more than 2 seconds. If control indicator Ⓟ extinguishes, electric parking brake is released.

Control indicator Ⓟ flashes: electric parking brake is not fully applied or released. When continuously flashing, release electric parking brake and retry applying.

Brake assist

If the brake pedal is depressed quickly and forcefully, maximum brake force is automatically applied (full braking).

Maintain steady pressure on the brake pedal for as long as full braking is required. Maximum brake force is automatically reduced when the brake pedal is released.

Hill start assist

The system helps prevent unintended movement when driving away on inclines.

When releasing the foot brake after stopping on an incline, the brakes remain on for a further two seconds. The brakes release automatically as soon as the vehicle begins to accelerate.

The hill start assist is not active during an Autostop.

Ride control systems

Traction Control system

The Traction Control system (TC) is a component of the Electronic Stability Control (ESC) ⇨ 148.

TC improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the drive wheels from spinning.

As soon as the drive wheels starts to spin, engine output is reduced and the wheel spinning the most is braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TC is operational after each engine start as soon as the control indicator extinguishes.

When TC operates flashes.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator ⇨ 91.

Deactivation

TC can be switched off when spinning of drive wheels is required:

press button briefly to deactivate TC, illuminates. Deactivation is displayed as status message in the Driver Information Centre.

TC is reactivated by pressing the button again.

TC is also reactivated the next time the ignition is switched on.

Electronic Stability Control

Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tyre grip. It also prevents the drive wheels from spinning. ESC operates in combination with the Traction Control system (TC) ⇨ 147.

As soon as the vehicle starts to swerve (understeer/oversteer), engine output is reduced and the wheels are braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

ESC is operational after each engine start as soon as the control indicator extinguishes.

When ESC operates flashes.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator ⇨ 91.

Deactivation

For a more sporty behaviour ESC and TC can be deactivated separately:

- press button briefly: only Traction control system is inactive, ESC remains active, illuminates
- hold button pressed for min. 5 seconds: TC and ESC are deactivated, and illuminate.

Additionally the selected mode is displayed as status message in the Driver Information Centre.

If the vehicle comes into threshold with deactivated ESP, the system will reactivate ESP for the time duration of the threshold, when the brake pedal is depressed once.

ESC is reactivated by pressing the button again. If the TC system was previously disabled, both TC and ESC are reactivated.

ESC is also reactivated the next time the ignition is switched on.

Interactive driving system

Flex Ride

Flex Ride driving system allows the driver to select between three driving modes:

- SPORT mode: press button **SPORT**, LED illuminates.
- TOUR mode: press button **TOUR**, LED illuminates.
- NORMAL mode: both buttons **SPORT** and **TOUR** are not pressed, no LED illuminates.

Deactivate SPORT mode and TOUR mode by pressing corresponding button once more.

In each driving mode Flex Ride networks the following electronic systems:

- Continuous Damping Control.
- Accelerator Pedal Control.
- Steering Control.
- Electronic Stability Control (ESC).
- Antilock brake system (ABS) with cornering brake control (CBC).
- Automatic transmission.

SPORT mode

The settings of the systems are adapted to a sportier driving style:

- Damping of shock absorbers reacts more stiffly to provide better contact with the road surface.
- The engine reacts more quickly to the accelerator pedal.
- Steering support is reduced.
- Shift points of automatic transmission occur later.
- With SPORT mode activated, the illumination of main instruments changes from white to red.

TOUR mode

The settings of the systems are adapted to a comfort driving style:

- Damping of shock absorbers reacts more softly.
- Accelerator pedal reacts with standard settings.
- Steering support is in standard mode.
- Shift points of automatic transmission occur in a comfort mode.
- Illumination of main instruments is white.

NORMAL mode

All settings of the systems are adapted to standard values.

Drive mode control

Within each manually selected driving mode SPORT, TOUR or NORMAL, the Drive Mode Control (DMC) detects and analyses continuously the real driving characteristic, responses by the driver, and the active dynamic state of the vehicle. If necessary, the control unit of DMC automatically changes the settings within the selected driving mode or, when recognising greater variations, the driving mode is changed for the length of variation.

If, for example, NORMAL mode is selected and DMC detects a sporty driving behaviour, DMC changes several settings of the Normal mode into sporty settings. The DMC changes to SPORT mode in case of very sporty driving behaviour.

If, for another example, TOUR mode is selected and whilst driving on a winding road a sudden hard brake is necessary, DMC will detect the

dynamic vehicle condition and changes the settings for suspension to SPORT mode to increase vehicle stability.

When the driving characteristic or the dynamic vehicle state returns to the former state, DMC will change the settings to the preselected driving mode.

Personalised settings in the SPORT mode

The driver can select the functions of the SPORT mode when **SPORT** button is pressed. These settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 102.

Driver assistance systems

⚠Warning

Driver assistance systems are developed to support the driver and not to replace his attention.

The driver accepts full responsibility when driving the vehicle.

When using driver assistance systems, always take care regarding the current traffic situation.

Cruise control

The cruise control can store and maintain speeds of approx. 20 to 120 mph. Deviations from the stored speeds may occur when driving uphill or downhill.

For safety reasons the cruise control cannot be activated until the foot brake has been operated once. Activating in first gear is not possible.

Do not use the cruise control if it is not advisable to maintain a constant speed.

With automatic transmission, only activate cruise control in automatic mode.

Control indicator ⇨ 93.

Switching on

Press button, control indicator in instrument cluster illuminates white.

Activation

Accelerate to the desired speed and turn thumb wheel to **SET/-**, the current speed is stored and

maintained. Control indicator in instrument cluster illuminates green. Accelerator pedal can be released.

Vehicle speed can be increased by depressing the accelerator pedal. When the accelerator pedal is released, the previously stored speed is resumed.

Cruise control remains activated while gearshifting.

Increase speed

With cruise control active, hold thumb wheel turned to **RES/+** or briefly turn to **RES/+** repeatedly: speed increases continuously or in small increments.

Alternatively accelerate to the desired speed and store by turning to **SET/-**.

Reduce speed

With cruise control active, hold thumb wheel turned to **SET/-** or briefly turn to **SET/-** repeatedly: speed decreases continuously or in small increments.

Deactivation

Press button , control indicator in instrument cluster illuminates white. Cruise control is deactivated. Last used set speed is stored in memory for later speed resume.

Automatic deactivation:

- vehicle speed below approx. 20 mph,
- vehicle speed above approx. 125 mph,
- the brake pedal is depressed,
- the clutch pedal is depressed for a few seconds,
- selector lever in **N**,
- engine speed in a very low range,
- the Traction Control system or Electronic Stability Control is operating.

Resume stored speed

Turn thumb wheel to **RES/+** at a speed above 20 mph. The stored speed will be obtained.

Switching off

Press button , control indicator in instrument cluster extinguishes. The stored speed is deleted.

Pressing button for activating speed limiter or switching off the ignition also switches off cruise control and deletes the stored speed.

Speed limiter

The speed limiter prevents the vehicle exceeding a preset maximum speed.

The maximum speed can be set at a speed above 15 mph.

The driver can only accelerate up to the preset speed. Deviations from the limited speed may occur when driving downhill.

The preset speed limit is displayed in the top line of the Driver Information Centre when the system is active.

Activation

Press button . If cruise control has been activated before, it is switched off when speed limiter is activated and the control indicator extinguishes.

Set speed limit

With speed limiter active, hold thumb wheel turned to **RES/+** or briefly turn to **RES/+** repeatedly until the desired maximum speed is displayed in the Driver Information Centre.

Alternatively accelerate to the desired speed and briefly turn thumb wheel to **SET/-**: the current speed is stored as maximum speed. Speed limit is displayed in the Driver Information Centre.

Change speed limit

With speed limiter active, turn thumb wheel to **RES/+** to increase or **SET/-** to decrease the desired maximum speed.

Exceeding the speed limit

In the event of an emergency it is possible to exceed the speed limit by depressing the accelerator pedal firmly beyond the point of resistance.

The limited speed will flash in the Driver Information Centre and, depending on the vehicle, additionally a chime sounds during this period.

Release the accelerator pedal and the speed limiter function is reactivated once a speed lower than the limit speed is obtained.

Deactivation

Press button : speed limiter is deactivated and the vehicle can be driven without speed limit.

The limited speed is stored and a corresponding message appears in the Driver Information Centre.

Resume limit speed

Turn thumb wheel to **RES/+**. The stored speed limit will be obtained.

Switching off

Press button , the speed limit indication in the Driver Information Centre extinguishes. The stored speed is deleted.

By pressing button to activate cruise control or by switching off the ignition, speed limiter is also deactivated and the stored speed is deleted.

Forward collision alert

The forward collision alert can help to avoid or reduce the harm caused by front-end crashes. If a vehicle directly ahead is approached too quickly, a warning chime and alert in the Driver Information Centre is provided.

Forward collision alert uses the front camera system in the windscreen to detect a vehicle directly ahead, in your path, within a distance of approx. 60 metres.

The green illuminated vehicle ahead symbol appears in the speedometer when the system has detected a vehicle in the driving path. Precondition is, that forward collision alert is not deactivated by the button .

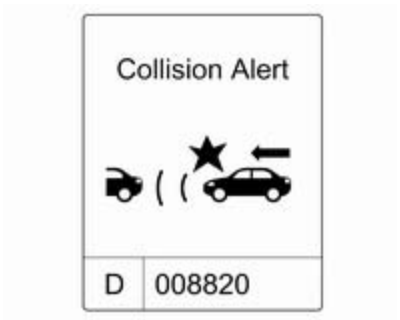
Activation

Forward collision alert operates automatically above 25 mph, if it is not deactivated by button , see below.

Selecting the alert sensitivity

The alert sensitivity can be set to near, medium or far.

Press button ⛷, the current setting is shown on the Driver Information Centre. Press button ⛷ again to change the alert sensitivity.



Alerting the driver

When approaching another vehicle too rapidly, the collision alert warning page will be indicated in the Driver Information Centre. Simultaneously a warning chime sounds. Press the brake pedal, if it is requested by the situation.

Deactivation

The system can be deactivated. Press button ⛷ as often as the following message appears in the Driver Information Centre.

General information

⚠Warning

Forward collision alert is just a warning system and does not apply the brakes. When approaching a vehicle ahead too rapidly, it may not provide you enough time to avoid a collision.

The driver accepts full responsibility for the valid following distance based on traffic, weather and visibility conditions.

The complete attention of the driver is always required while driving. He shall always be ready to take action and apply the brakes.

System limitations

The system is designed to warn only for vehicles, but may react also on other objects.

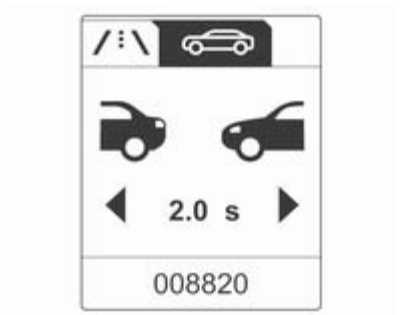
In the following cases, forward collision alert may not detect a vehicle ahead or sensor performance is limited:

- on winding roads,
- when weather limits visibility, such as fog, rain, or snow,
- when the sensor is blocked by snow, ice, slush, mud, dirt, or windscreen damage.

Following distance indication

The following distance indication displays the distance to a preceding moving vehicle. The front camera in the windscreen is used to detect the distance of a vehicle directly ahead in the vehicle's path. It is active at speeds above 25 mph.

When a preceding vehicle is detected ahead, the distance is indicated in seconds, displayed on a page in the Driver Information Centre ⇨ 94. Press the **MENU** button on the turn signal lever to select **Vehicle Information Menu** and turn the adjuster wheel to choose following distance indication page.



The minimum indicated distance is 0.5 seconds.

If there is no vehicle ahead or the vehicle ahead is out of range, two dashes will be displayed: -.- s.

Parking assist

⚠Warning

It is the driver, however, who bears full responsibility for the parking manoeuvre.

Check always environment when driving backwards or forwards while using parking assist system.

Rear parking assist

The rear parking assist makes parking easier by measuring the distance between the vehicle and rear obstacles. It informs and warns the driver by giving acoustic signals.

The system has four ultrasonic parking sensors in the rear bumper.

Activation

When reverse gear is engaged, the system is ready to operate automatically.

An illuminated LED in the parking assist button P⁄▲ indicates that the system is ready to operate.

Indication

The system warns the driver with acoustic signals against potentially hazardous obstacles behind the vehicle. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than about 30 cm, the sound is continuous.

Additionally the distance to obstacles can be shown in the Driver Information Centre.

Deactivation

The system automatically switches off when reverse gear is disengaged.

Manual deactivation is also possible by pressing the parking assist button P⁄▲.

In both cases the LED in the button extinguishes and a message pops up in the Driver Information Centre.

Fault

In the event of a fault in the system or if the system does not work due to temporary conditions like snow covered sensors, a message is displayed in the Driver Information Centre.

Front-rear parking assist

The front-rear parking assist measures the distance between the vehicle and obstacles in front and behind the vehicle. The system gives acoustic signals and display messages.

The system has four ultrasonic parking sensors each in the rear and front bumper.

It uses two different acoustic warning signals for the front and rear monitoring areas, each with a different tone frequency.

Parking assist button and operation logic

Front-rear parking assist is equipped with button P. If the vehicle is additionally equipped with advanced parking assist, see separate description following, the system is equipped with button . In this case both systems will be operated by button .

Short press of button P or activates or deactivates the parking assist.

Long press of button (approx. one second) activates or deactivates the advanced parking assist.

Button logic operates the systems by pressing as following:

- front-rear parking assist is active: short press deactivates front-rear parking assist.
- front-rear parking assist is active: long press activates advanced parking assist.
- advanced parking assist is active: short press activates front-rear parking assist.
- advanced parking assist is active: long press deactivates advanced parking assist.

Activation

When reverse gear is engaged, the front and rear parking assist is ready to operate.

An illuminated LED in the parking assist button P or indicates that the system is ready to operate.

When driving forward with low speed the front parking assist can also be activated by pressing the parking assist button P or briefly.

Once the button is pressed within an ignition cycle, the front parking assist is always reactivated when the vehicle underruns a certain value.

Indication

The system warns the driver with acoustic signals against potentially hazardous obstacles behind and in front of the vehicle. Depending on which side the vehicle is closer to an obstacle, you respectively will hear acoustic warning signals in the vehicle. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than about 30 cm, the sound is continuous.

Additionally the distance to obstacles is shown in the Driver Information Centre.

The distance indication in the Driver Information Centre can be inhibited by vehicle messages with a higher priority. After approving the message by pressing the **SET/CLR** button on the turn signal lever, distance indication appears again.

Deactivation

The system is deactivated automatically when exceeding a certain speed while driving forward.

Manual deactivation is also possible by pressing the parking assist button P or briefly.

When the system is deactivated, the LED in the button extinguishes and **Park Assist Off** pops up in the Driver Information Centre.

Fault

In the event of a fault in the system or if the system does not work due to temporary conditions like snow covered sensors, a message is displayed in the Driver Information Centre.

Advanced parking assist

The advanced parking assist system manoeuvres the driver into a parking slot by giving instructions on the Driver Information Centre and acoustic signals. The driver has to control acceleration, braking, steering and gear shifting.

The system uses the sensors of the front-rear parking assist in combination with two additional sensors on both sides of the front and rear bumper.

Button and operation logic

Advanced parking assist and front-rear parking assist, see description before, both will be operated by button .

Short press of button activates or deactivates the parking assist.

Long press of button (approx. one second) activates or deactivates the advanced parking assist.

Button logic operates the systems by pressing as following:

- front-rear parking assist is active: short press deactivates front-rear parking assist.
- front-rear parking assist is active: long press activates advanced parking assist.
- advanced parking assist is active: short press activates front-rear parking assist.
- advanced parking assist is active: long press deactivates advanced parking assist.

Activation

When searching for a parking slot, the system is ready to operate by pressing the button for approx. one second.

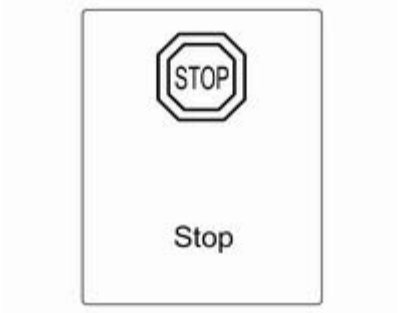
The system can only be activated at a speed up to 18 mph and the system searches for a parking slot at a speed up to 18 mph.

The maximum allowed parallel distance between the vehicle and a row of parking cars is 1.8 metres.

Functionality

When the vehicle passes a row of cars and the system is activated, the advanced parking assist system begins searching for a suitable parking slot. When a suitable slot is detected, a visual feedback on the Driver Information Centre and an acoustic signal are given.

If the driver does not stop the vehicle within 10 metres after a parking slot is proposed, the system starts to search for another suitable parking slot.



The parking slot suggestion of the system is accepted when the vehicle is stopped by the driver within 10 metres after the Stop message is given. The system calculates the optimal route into the parking slot. Then it manoeuvres the driver into the slot by giving detailed instructions.

The instructions in the display show:

- a hint when driving faster than 18 mph,
- the demand to stop the vehicle, when a parking slot is detected,
- the direction of driving during the parking manoeuvre,
- the steering wheel position during parking,
- for some of the instructions a progress bar is shown.

A successful parking manoeuvre is indicated by the End position symbol.

Pay attention always to the sound of the front-rear parking assist. Continuous sound means that the distance to an obstacle is less than about 30 cm.

Changing the parking side

The system is configured to detect parking slots by default on the passenger side. To detect parking slots on the driver side, switch on turn indicator to the driver side for the duration of searching.

As soon as turn indicator is switched off, the system searches for parking slots on the passenger side again.

Display priorities

After activating the advanced parking assist, a message appears in the Driver Information Centre. Advanced parking assist indication in the Driver Information Centre can be inhibited by vehicle messages with a higher priority. After approving the message by pressing the **SET/CLR** button on the turn signal lever, advanced parking assist instructions appear again and parking manoeuvre can be continued.

Deactivation

The system is deactivated by:

- pushing button for approx. one second
- parking manoeuvre successfully ended
- driving faster than 18 mph
- switching off the ignition

Deactivation by the driver or by the system during manoeuvring will be indicated by **Parking Deactivated** in the Driver Information Centre.

Fault

A message appears in the Driver Information Centre when:

- there is a fault in the system,
- the driver did not successfully complete the parking manoeuvre,
- the system is not operational.

If an object is detected during parking instructions, **Stop** is indicated in the Driver Information Centre. Removing the object will resume the parking manoeuvre. If the object is not removed, the system will be deactivated. Push button for approx. one second to activate the system and search for a new parking slot.

Basic notes on parking assist systems

⚠Warning

Under certain circumstances, various reflective surfaces on objects or clothing as well as external noise sources may cause the system to fail to detect obstacles.

Special attention has to be paid to low obstacles which can damage the lower part of the bumper.

Caution

Performance of the system can be reduced when sensors are covered, e.g. by ice or snow.

Performance of the parking assist system can be reduced due to heavy loading.

Special conditions apply if there are taller vehicles involved in the parking scene (e.g. off-road vehicles, mini vans, vans, camper, trailers and trucks). Object identification and correct distance indication in the upper part of these vehicles cannot be guaranteed.

Objects with a very small reflection cross section, like objects of narrow size or soft materials, may not be detected by the system.

Parking assist and advanced parking assist will not detect objects out of the detection range.

Note

The parking assist system automatically detects factory-fitted towing equipment. It is deactivated when the connector is plugged in.

It is possible that the sensor detects a non-existing object (echo disturbance) caused by external acoustical or mechanic disturbances.

Advanced parking assist system may not respond to changes in the parking space after initiating a parallel parking manoeuvre.

Note
After production the advanced parking assist needs a calibration. For an optimal parking guidance a driving distance of at least 6 miles with many curves is required.

Side blind spot alert

The Side blind spot alert system detects and reports objects on either side of the vehicle, within a specified "blind spot" zone. The system alerts visually in each exterior mirror, when detecting objects that may not be visible in the interior and exterior mirrors.

The system's sensors are located in the bumper on the left and right side of the vehicle.

⚠Warning

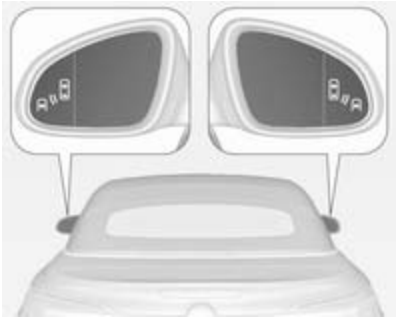
Side blind spot alert does not replace driver vision.

The system does not detect:

- Vehicles outside the side blind zones which may be rapidly approaching.
- Pedestrians, cyclists or animals.

Before changing a lane, always check all mirrors, look over the shoulder and use the turn signal.

When the system detects a vehicle in the side blind zone while driving forward, either while passing a vehicle or being passed, an amber warning symbol will illuminate in the relevant exterior mirror. If the driver then activates the turn signal, the warning symbol starts flashing amber as a warning not to change lanes.



Side blind spot alert is active from speeds of 6 mph up to 87 mph. Driving faster than 87 mph deactivates the system, indicated by low lighting warning symbols in both exterior mirrors. Reducing the speed again will extinguish the warning symbols. If a vehicle is then detected in the blind zone, the warning symbols will illuminate as normal on the relevant side.

When the vehicle is started, both exterior mirror displays will briefly come on to indicate that the system is operating.

The system can be activated or deactivated in the menu **Settings** in the Info-Display, vehicle personalisation ⇨ 102.

Deactivation is indicated by a message in the Driver Information Centre.

Detection zones

The system sensor covers a zone of approx. 3 metres on both sides of the vehicle. This zone starts at each exterior mirror and extends rearwards by approx. 3 metres. The height of the zone is approx. between 0.5 metres and 2 metres off the ground.

The system is deactivated if the vehicle is towing a trailer.

Side blind spot alert is designed to ignore stationary objects such as guardrails, posts, curbs, walls and beams. Parked vehicles or oncoming vehicles are not detected.

Fault

Occasional missed alerts can occur under normal circumstances and will increase in wet conditions.

Side blind spot alert does not operate when the left or right corners of the rear bumper are covered with mud, dirt, snow, ice, slush, or in heavy rainstorms. Cleaning instructions ⇨ 220.

In the event of a fault in the system or if the system does not work due to temporary conditions, a message is displayed in the Driver Information Centre. Seek the assistance of a workshop.

Rear view camera

The rear view camera assists the driver when reversing by displaying a view of the area behind the vehicle.

The view of the camera is displayed in the Colour-Info-Display.

⚠ Warning

The rear view camera does not replace driver vision. Note that objects that are outside the camera's field of view and the advanced parking assist sensors, e.g. below the bumper or underneath the vehicle, are not displayed.

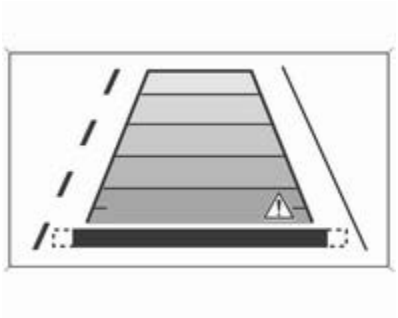
Do not reverse the vehicle by only looking at the Info-Display and check the surroundings behind and around the vehicle before reversing.

Activation

Rear view camera is automatically activated when reverse gear is engaged.

Functionality

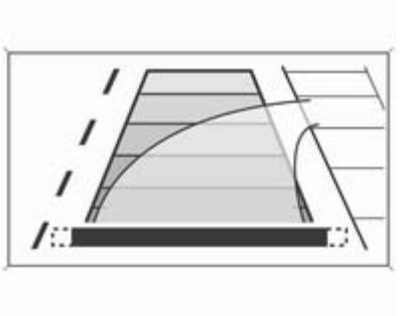
The camera is mounted between the number plate lights and has a viewing angle of 130°.



The area displayed by the camera is limited. The distance of the image that appears on the display differs from the actual distance.

Guiding lines

Dynamic guiding lines are horizontal lines in 1 metre intervals projected on the picture to define the distance to shown objects.



Trajectory lane of the vehicle is shown in accordance with the steering angle.

The function can be deactivated in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 102.

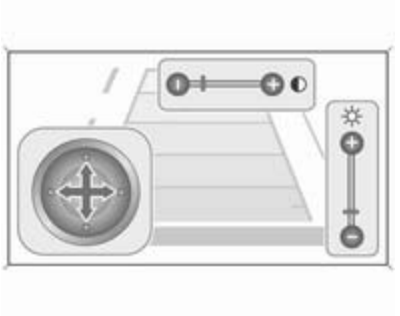
Warning symbols

Warning symbols are indicated as triangles ⚠on the picture which show obstacles detected by the rear sensors of the advanced parking assist.

Additionally ⚠appears on the top line of the Info-Display with the warning to check the vehicle surrounding.

The top line of the display can be cleared by pushing the multifunction knob.

Display settings



Brightness can be set with the up/ down buttons of the multifunction knob.

Contrast can be set with left/right buttons of the multifunction knob.

Deactivation

The camera is deactivated when a certain forward speed is exceeded or if reverse gear is not engaged for approx. 10 seconds.

Activation or deactivation of the rear view camera can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 102.

Fault

Fault messages are displayed with a ⚠on the top line of the Info-Display.

The rear view camera may not operate properly when:

- the surrounding is dark,
- the sun or the beam of headlights is shining directly into the camera lens,
- ice, snow, mud, or anything else covers the camera lens. Clean the lens, rinse it with water, and wipe it with a soft cloth,
- the vehicle had a rear end accident,
- there are extreme temperature changes.

Traffic sign assistant

Functionality

The traffic sign assistant system detects designated traffic signs via a front camera and displays them in the Driver Information Centre.

Traffic signs, which will be detected, are:

Limit and no passing signs

- speed limit
- no passing
- end of speed limit
- end of no passing

Road signs

Beginning and end of:

- motorways
- A-roads
- play streets

Add on signs

- additional hints to traffic signs
- restriction of trailer towing
- wet warning
- ice warning
- direction arrows

Speed limit signs are displayed in the Driver Information Centre until the next speed limit sign or end of speed limit is detected or up to a defined sign timeout.

Combinations of more signs in the display are possible.

An exclamation mark in a frame indicates that there is an add on sign detected which cannot be recognised by the system.

The system is active up to a speed of 124 mph depending on the lighting conditions. At night the system is active up to a speed of 99 mph.

As soon as the speed becomes slower than 34 mph the display will be reset and the content of the traffic sign page will be cleared, e.g.. when entering a city zone. The next recognized speed indication will be displayed.

Display indication

Traffic signs are displayed on the page **Traffic sign detection** on the Driver Information Centre, chosen via the adjuster wheel on the turn signal lever ⇨ 94.

When another function on the Driver Information Centre menu was selected and then **Traffic sign detection** page is chosen again, the last recognised traffic sign will be displayed.

After the traffic sign page is cleared by the system, the following symbol is indicated:

The content of the traffic sign page is also cleared during driving by pushing the **SET/CLR** button on the turn signal lever for a longer time.

Pop-up function

Speed limits and no passing signs are displayed as pop-ups on each page in the Driver Information Centre.

The pop-up function can be deactivated on the traffic sign page by pressing the **SET/CLR** button on the turn signal lever.

Once setting page is displayed, select **Off** to deactivate pop-up function. Reactivated by selecting **On**. When switching on the ignition, pop-up function is deactivated.

Pop-up indication is displayed for approx. 8 seconds in the Driver Information Centre.

Fault

The traffic sign assistant system may not operate correctly when:

- the area of the windscreen, where the front camera is located, is not clean
- traffic signs are completely or partially covered or difficult to discern
- there are adverse environmental conditions, e.g. heavy rain, snow, direct sunlight or shadows. In this case **No Traffic Sign Detection due to Weather** is indicated on the display
- traffic signs are incorrectly mounted or damaged
- traffic signs do not comply with the Vienna Convention on traffic signs (Wiener Übereinkommen über Straßenverkehrszeichen)

Caution

The system is intended to help the driver within a defined speed range to discern certain traffic signs. Do not ignore traffic signs which are not displayed by the system.

The system does not discern any other than the conventional traffic signs that might give or end a speed limit.

Do not let this special feature tempt you into taking risks when driving.

Always adapt speed to the road conditions.

The driver assistance systems do not relieve the driver from full responsibility for vehicle operation.

Lane departure warning

The lane departure warning system observes the lane markings between which the vehicle is driving via a front camera. The system detects lane changes and warns the driver in the event of an unintended lane change via visual and acoustic signals.

Criteria for the detection of an unintended lane change are:

- no operation of turn signals
- no brake pedal operation
- no active accelerator operation or speeding-up
- no active steering

If the driver is performing these actions, no warning will be issued.

Activation

The lane departure warning system is activated by pressing the button. The illuminated LED in the button indicates that the system is switched

on. When the control indicator in the instrument cluster illuminates green, the system is ready to operate.

The system is only operable at vehicle speeds above 35 mph and if lane markings are available.

When the system recognises an unintended lane change, the control indicator changes to yellow and flashes. Simultaneously a chime sound is activated.

Deactivation

The system is deactivated by pressing button, the LED in the button extinguishes.

At speeds below 35 mph the system is inoperable.

Fault

The lane departure warning system may not operate properly when:

- the windscreen is not clean
- there are adverse environmental conditions like heavy rain, snow, direct sunlight or shadows

The system can not operate when no lane marking is detected.

Fuel

Fuel for petrol engines

Only use unleaded fuel that complies with European standard EN 228 or E DIN 51626-1 or equivalent.

Your engine is capable to run with E10 fuel that fulfills these standards. E10 fuel contains up to 10 % bioethanol.

Use fuel with the recommended octane rating ⇨ 231. Use of fuel with too low an octane rating can reduce engine power and torque and slightly increases fuel consumption.

Caution
Do not use fuel or fuel additives that contain metallic compounds such as manganese-based additives. This may cause engine damage.

Caution

Use of fuel that does not comply to EN 228 or E DIN 51626-1 or equivalent can lead to deposits or engine damage and may affect your warranty.

Caution

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

Fuel for diesel engines

Only use diesel fuel that complies with EN 590.

In countries outside the European Union use Euro-Diesel fuel with a sulphur concentration below 50 ppm.

Caution

Use of fuel that does not comply to EN 590 or similar can lead to engine powerloss, increased wear or engine damage and may affect your warranty.

Do not use marine diesel oils, heating oils, Aquazole and similar diesel-water emulsions. Diesel fuels must not be diluted with fuels for petrol engines.

Refuelling

⚠Danger

Before refuelling, switch off engine and any external heaters with combustion chambers. Switch off any mobile phones.

Follow the operating and safety instructions of the filling station when refuelling.

⚠Danger

Fuel is flammable and explosive. No smoking. No naked flames or sparks.

If you can smell fuel in your vehicle, have the cause of this remedied immediately by a workshop.

Caution

In case of misfuelling, do not switch on ignition.

Fuel filler flap is located at right rear side of vehicle.

The fuel filler flap can only be opened if the vehicle is unlocked. Release the fuel filler flap by pushing the flap.

To open, turn the cap slowly to the left.

The fuel filler cap can be retained in the bracket on the fuel filler flap.

For refuelling, fully insert the pump nozzle and switch it on.

After automatic cut-off, it can be topped up with max. two doses of fuel.

Caution
Wipe off any overflowing fuel immediately.

To close, turn the fuel filler cap to the right until it clicks.

Close the flap and let engage.

Fuel filler cap

Only use genuine fuel filler caps. Diesel-engined vehicles have special fuel filler caps.

Fuel consumption - CO_2-Emissions

The fuel consumption (combined) is within a range of 54 to 39 mpg.

The CO_2 emission (combined) is within a range of 169 to 138 g/km.

For the values specific to your vehicle, refer to the EEC Certificate of Conformity provided with your vehicle or other national registration documents.

General information

The official fuel consumption and specific CO_2 emission figures quoted relate to the EU base model with standard equipment.

Fuel consumption data and CO_2 emission data are determined according to regulation R (EC) No. 715/2007 (in the latest

applicable version), taking into consideration the vehicle weight in running order, as specified by the regulation.

The figures are provided only for the purpose of comparison between different vehicle variants and must not be taken as a guarantee for the actual fuel consumption of a particular vehicle. Additional equipment may result in slightly higher results than the stated consumption and CO_2 figures.

Furthermore, fuel consumption is dependent on personal driving style as well as road and traffic conditions.

Trailer hitch

General information

Only use towing equipment that has been approved for your vehicle. Entrust retrofitting of towing equipment to a workshop. It may be necessary to make changes that affect the cooling system, heat shields or other equipment.

The bulb outage detection function for trailer brake light cannot detect a partial bulb outage, e.g. in case of 4 x 5 Watt bulbs, the function only detects lamp outage when only a single 5 Watt lamp remains or none remain.

Fitting of towing equipment could cover the opening of the towing eye. If this is the case use the coupling ball bar for towing. Always keep the coupling ball bar in the vehicle.

Driving characteristics and towing tips

Before attaching a trailer, lubricate the coupling ball. However, do not do so if a stabiliser, which acts on the coupling ball, is being used to reduce snaking movements.

For trailers with low driving stability and caravan trailers with a permitted gross vehicle weight of more than 1400 kg the use of a stabiliser is strongly recommended when driving above 50 mph.

If the trailer starts snaking, drive more slowly, do not attempt to correct the steering and brake sharply if necessary.

When driving downhill, drive in the same gear as if driving uphill and drive at a similar speed.

Adjust tyre pressure to the value specified for full load ⇨ 236.

Trailer towing

Trailer loads

The permissible trailer loads are vehicle and engine-dependent maximum values which must not be exceeded. The actual trailer load is the difference between the actual gross weight of the trailer and the actual coupling socket load with the trailer coupled.

The permissible trailer loads are specified in the vehicle documents. In general, they are valid for gradients up to max. 12 %.

The permitted trailer load applies up to the specified incline and up to an altitude of 1000 metres above sea level. Since engine power decreases as altitude increases due to the air becoming thinner, therefore reducing climbing ability, the permissible gross train weight also decreases by 10 % for every 1000 metres of additional altitude. The gross train weight does not have to be reduced when driving on roads with slight inclines (less than 8 %, e.g. motorways).

The permissible gross train weight must not be exceeded. This weight is specified on the identification plate ⇨ 226.

Vertical coupling load

The vertical coupling load is the load exerted by the trailer on the coupling ball. It can be varied by changing the weight distribution when loading the trailer.

The maximum permissible vertical coupling load (75 kg) is specified on the towing equipment identification plate and in the vehicle documents. Always aim for the maximum load, especially in the case of heavy trailers. The vertical coupling load should never fall below 25 kg.

Rear axle load

When the trailer is coupled and the towing vehicle fully loaded, the permissible rear axle load (see identification plate or vehicle documents) may be exceeded by 100 kg, the gross vehicle weight rating may be exceeded by 100 kg. If the permissible rear axle load is exceeded, a maximum speed of 60 mph applies.

Towing equipment

Caution
When operating without a trailer, remove the coupling ball bar.

Stowage of coupling ball bar

The coupling ball bar is stowed in a bag and must be secured in the load compartment.

Vehicle with spare wheel

The bag with the coupling ball bar is placed near the spare wheel under the load floor cover.

Direct the strap through the rim and around the wheel, wrap it around the coupling ball bar and tighten the strap to secure the bag.

Vehicles with tyre repair kit

The bag with the coupling ball bar is placed near the tyre repair kit box under the load floor cover.

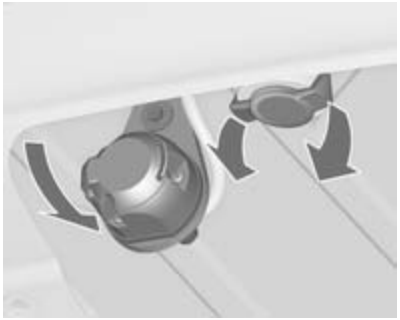
The strap is directed around the threaded bolt under the tyre repair kit box. Wrap the strap around the coupling ball bar and tighten the strap to secure the bag.

Vehicles with flat load compartment floor

The bag with the coupling ball bar is stowed on the right side of the load compartment floor.

Direct the strap through the rear right lashing eye, wrap it twice around the coupling ball bar and tighten the strap to secure the bag.

Fitting the coupling ball bar



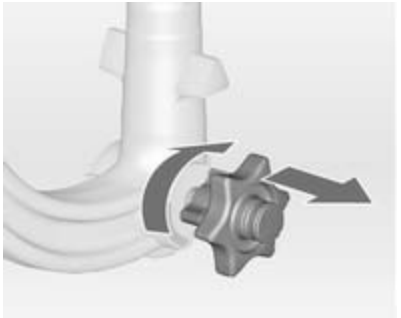
Disengage and fold down the socket. Remove the sealing plug from the opening for the coupling ball bar and stow it.

Checking the tensioning of the coupling ball bar

- Red marking on rotary knob must point towards green marking on coupling ball bar.
- The gap between the rotary knob and the coupling ball bar must be approx. 6 mm.
- The key must be in position 2.

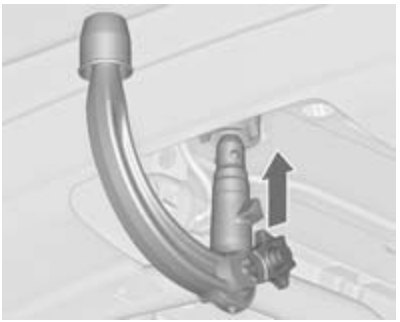
Otherwise, the coupling ball bar must be tensioned before being inserted:

- Unlock coupling ball bar by turning key to position 2.



- Pull out rotary knob and turn clockwise as far as it will go.

Inserting the coupling ball bar



Insert the tensioned coupling ball bar in the opening and push firmly upwards until it audibly engages.

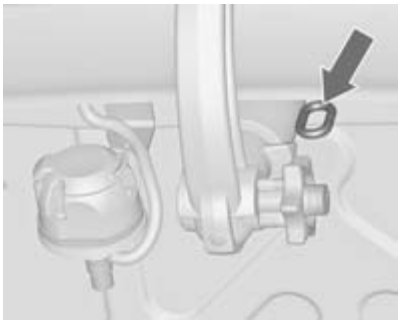
The rotary handle snaps back into its original position resting against the coupling ball bar without a gap.

⚠Warning

Do not touch rotary handle during insertion.

Lock the coupling ball bar by turning the key to position 🔒. Remove the key and close the protective flap.

Eye for break-away stopping cable



Attach breakaway stopping cable to eye.

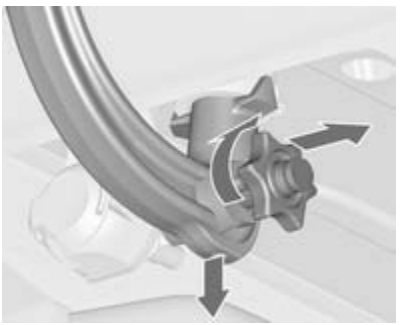
Check that the coupling ball bar is correctly installed

- Green marking on rotary knob must point towards green marking on coupling ball bar.
- There must be no gap between the rotary handle and the coupling ball bar.
- The coupling ball bar must be firmly engaged in the opening.
- The coupling ball bar must be locked and the key removed.

⚠Warning

Towing a trailer is permitted only when a coupling ball bar is fitted correctly. If the coupling ball bar does not engage correctly, seek the assistance of a workshop.

Dismounting the coupling ball bar



Open the protective flap and turn the key to position ⍝ to unlock the coupling ball bar.

Pull out rotary handle and turn clockwise as far as it will go. Pull out coupling ball bar downwards.

Insert sealing plug in opening. Fold away socket.

Stow and secure the coupling ball bar as mentioned above.

Vehicle care

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General Information

Accessories and vehicle modifications

We recommend the use of genuine parts and accessories and factory approved parts specific for your vehicle type. We cannot assess or guarantee reliability of other products - even if they have a regulatory or otherwise granted approval.

Do not make any modifications to the electrical system, e.g. changes of electronic control units (chip tuning).

Caution
When transporting the vehicle on a train or on a recovery vehicle, the mud flaps might be damaged.

Vehicle storage

Storage for a long period of time

If the vehicle is to be stored for several months:

- Wash the vehicle. Wax painted parts of the vehicle. Exterior care ⇨ 220.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve the rubber seals.
- Fill up fuel tank completely.
- Change the engine oil.
- Drain the washer fluid reservoir.
- Check the coolant antifreeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.
- Park the vehicle in a dry, well ventilated place. Engage first or reverse gear or set selector lever to **P**. Prevent the vehicle from rolling.
- Do not apply the parking brake.

- Open the bonnet, close all doors and lock the vehicle.
- Close the soft top.
- Cover the soft top to reduce environment influences.
- Disconnect the clamp from the negative terminal of the vehicle battery. Beware that all systems are not functional, e.g. anti-theft alarm system.

Putting back into operation

When the vehicle is to be put back into operation:

- Connect the clamp to the negative terminal of the vehicle battery. Activate the electronics of the power windows.
- Check tyre pressure.
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

End-of-life vehicle recovery

Information on end-of-life vehicle recovery centres and the recycling of end-of-life vehicles is available on our website, where legally required. Only entrust this work to an authorised recycling centre.

Vehicle checks

Performing work

⚠Warning

Only perform engine compartment checks when the ignition is off.

The cooling fan may start operating even if the ignition is off.

⚠Danger

The ignition system and Xenon headlights use extremely high voltage. Do not touch.

Bonnet

Opening

Pull the release lever and return it to its original position.

Move the safety catch sideways to the left vehicle side and open the bonnet.

Secure the bonnet support.

If the bonnet is opened during an Autostop, the engine will be restarted automatically for safety reasons.

Closing

Before closing the bonnet, press the support into the holder.

Lower the bonnet and let it fall into the latch from a low height (20-25 cm). Check that the bonnet is engaged.

Caution

Do not press the bonnet into the latch to avoid dents.

Engine oil

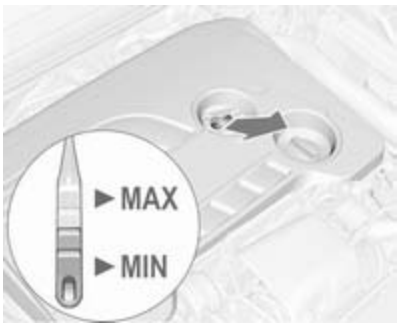
Check the engine oil level manually on a regular basis to prevent damage to the engine. Ensure that the correct specification of oil is used. Recommended fluids and lubricants ⇨ 224.

Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least 5 minutes.

Pull out the dipstick, wipe it clean, insert it to the stop on the handle, pull out and read the engine oil level.

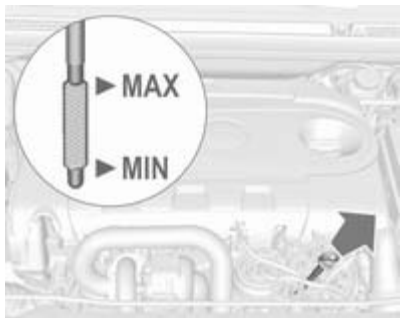
Caution
It is the owner's responsibility to maintain the proper level of an appropriate quality oil in the engine.

Insert dipstick to the stop on the handle and make half a turn.



Different dipsticks are used depending on engine variant.

When the engine oil level has dropped to the **MIN** mark, top up engine oil.



We recommend the use of the same grade of engine oil that was used at last change.

The engine oil level must not exceed the **MAX** mark on the dipstick.

Caution
Overfilled engine oil must be drained or suctioned out.

Capacities ⇨ 235.

Fit the cap on straight and tighten it.

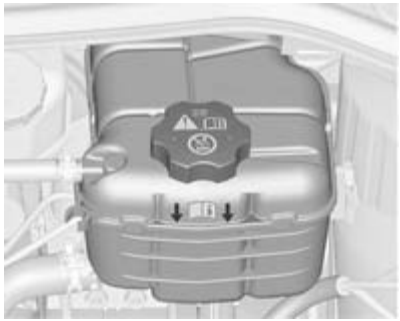
Engine coolant

The coolant provides freeze protection down to approx. -28 °C. In northern countries with very low temperatures the factory filled coolant provides frost protection down to approx. -37 °C.

Caution
Only use approved antifreeze.

Coolant level

Caution
Too low a coolant level can cause engine damage.



If the cooling system is cold, the coolant level should be above the filling line mark. Top up if the level is low.

⚠Warning
Allow the engine to cool before opening the cap. Carefully open the cap, relieving the pressure slowly.

To top up use a 1:1 mixture of released coolant concentrate mixed with clean tap water. If no coolant concentrate is available, use clean tap water. Install the cap tightly. Have the coolant concentration checked and have the cause of the coolant loss remedied by a workshop.

Washer fluid

Fill with clean water mixed with a suitable quantity of windscreen washer fluid which contains antifreeze. For the correct mixing ratio refer to the washer fluid container.

Caution
Only washer fluid with a sufficient antifreeze concentration provides protection at low temperatures or a sudden drop in temperature.

Brakes

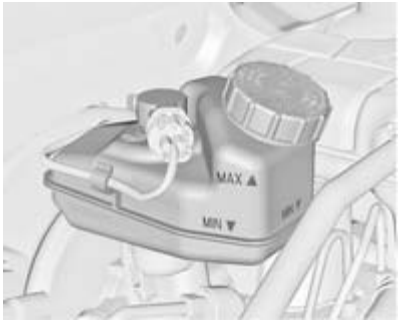
In the event of minimum thickness of the brake lining, a squealing noise sounds during braking.

Continued driving is possible but have the brake lining replaced as soon as possible.

Once new brake linings are installed, do not brake unnecessarily hard for the first few journeys.

Brake fluid

⚠Warning
Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.



The brake fluid level must be between the **MIN** and **MAX** marks.

When topping up, ensure maximum cleanliness as contamination of the brake fluid can lead to brake system malfunctions. Have the cause of the loss of brake fluid remedied by a workshop.

Only use high-performance brake fluid approved for the vehicle. Brake and clutch fluid ⇨ 224.

Vehicle battery

Vehicles without stop-start system will be equipped with a lead acid battery. Vehicles with stop-start system will be equipped with an AGM battery which is not a lead acid battery.

The vehicle battery is maintenance-free provided that the driving profile allows sufficient charging of the battery. Short-distance-driving and frequent engine starts can discharge the battery. Avoid the use of unnecessary electrical consumers.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

Laying up the vehicle for more than 4 weeks can lead to battery discharge. Disconnect the clamp from the negative terminal of the vehicle battery.

Ensure the ignition is switched off before connecting or disconnecting the vehicle battery.

The anti-theft alarm siren must be deactivated as follows: Switch the ignition on then off, disconnect the vehicle's battery within 15 seconds.

Vehicle battery discharge protection ⇨ 122.

Replacing the vehicle battery

Note
Any deviation from the instructions given in this section may lead to temporary deactivation of the stop-start system.

When the vehicle battery is being replaced, please ensure that there are no open ventilation holes in the vicinity of the positive terminal. If a ventilation hole is open in this area, it must be closed off with a dummy cap, and the ventilation in the vicinity of the negative terminal must be opened.

Only use vehicle batteries that allow the fuse box to be mounted above the vehicle battery.

In vehicles with stop-start system, be sure to have the AGM (Absorptive Glass Mat) battery replaced with another AGM battery.

An AGM battery can be identified by the label on the battery. We recommend the use of an original Vauxhall vehicle battery.

Note
Using an AGM vehicle battery different from the original Vauxhall vehicle battery may result in a lower performance of the stop-start system.

We recommend that you have the vehicle battery replaced by a workshop.

Stop-start system ⇨ 136.

Charging the vehicle battery

⚠ Warning

On vehicles with stop-start system, ensure that the charging potential does not exceed 14.6 volts when using a battery charger. Otherwise the vehicle battery might be damaged.

Jump starting ⇨ 216.

Warning label

Meaning of symbols:

- No sparks, naked flames or smoking.
- Always shield eyes. Explosive gases can cause blindness or injury.
- Keep the vehicle battery out of reach of children.
- The vehicle battery contains sulphuric acid which could cause blindness or serious burn injuries.
- See the Owner's Manual for further information.
- Explosive gas may be present in the vicinity of the vehicle battery.

Diesel fuel system bleeding

If the tank has been run dry, the diesel fuel system must be bled. Switch on the ignition three times for 15 seconds at a time. Then crank the engine for a maximum of 40 seconds. Repeat this process after no less than 5 seconds. If the engine fails to start, seek the assistance of a workshop.

Wiper blade replacement

Lift the wiper arm until it stays in the raised position, press button to disengage the wiper blade and remove.

Attach the wiper blade slightly angled to the wiper arm and push until it engages.

Lower wiper arm carefully.

Bulb replacement

Switch off the ignition and switch off the relevant switch or close the doors.

Only hold a new bulb at the base! Do not touch the bulb glass with bare hands.

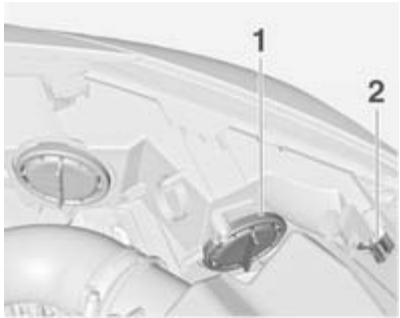
Use only the same bulb type for replacement.

Replace headlight bulbs from within the engine compartment.

Bulb check

After a bulb replacement switch on the ignition, operate and check the lights.

Halogen headlights



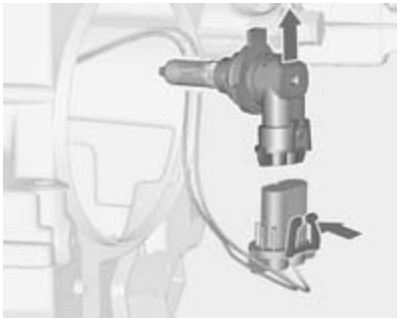
Bi-Halogen Headlight (1) with one bulb for low and high beam.

Sidelight/Daytime running light (2).

Low/High beam (1)

1. Rotate the cap (1) anticlockwise and remove it.

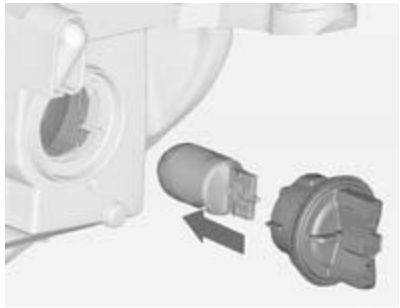
2. Rotate the bulb holder anticlockwise to disengage. Withdraw the bulb holder from the reflector.



3. Disengage the bulb holder from the plug connector by pressing the retaining lug.
4. Replace the bulb and connect bulb holder with the plug connector.
5. Insert the bulb holder, engaging the two lugs into the reflector and rotate clockwise to secure.
6. Fit the cap and rotate clockwise.

Sidelight/Daytime running light (2)

1. Rotate bulb socket (2) anticlockwise to disengage. Withdraw the bulb socket from the reflector.



2. Remove the bulb from the socket by pulling.
3. Replace and insert new bulb into socket.
4. Insert the bulb socket into the reflector and turn clockwise.

Adaptive forward lighting

⚠Danger

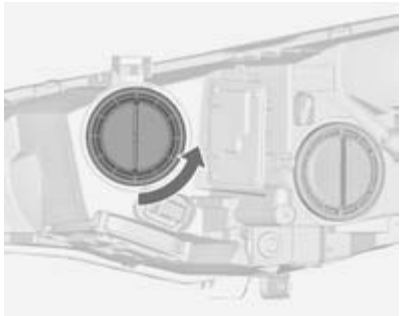
Adaptive forward lighting system uses Xenon headlights.

Xenon headlights work under extremely high electrical voltage. Do not touch. Have bulbs replaced by a workshop.

Bulbs for front turn signal and corner lighting can be changed.

Sidelight/Daytime running lights are designed as Light Emitting Diodes (LEDs) and cannot be changed.

Corner lighting



1. Rotate the cap anticlockwise and remove it.

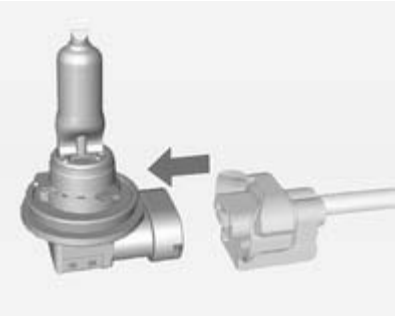
2. Rotate the bulb holder anticlockwise to disengage. Withdraw the bulb holder from the reflector.

3. Disengage the bulb from the plug connector by pulling.
4. Replace the bulb and connect bulb holder with the plug connector.
5. Insert the bulb holder, engaging the two lugs into the reflector and rotate clockwise to secure.
6. Fit the cap and rotate clockwise.

Fog lights

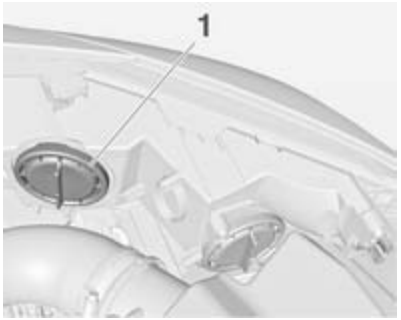
The bulbs are accessible from the underside of the vehicle.

1. Turn the bulb holder anti-clockwise and remove it from the reflector.



2. Disengage the bulb socket from the plug connector by pressing the retaining lug.
3. Remove and replace the bulb socket with bulb and attach the plug connector.
4. Insert the bulb socket into the reflector by turning clockwise and engage.

Front turn signal lights

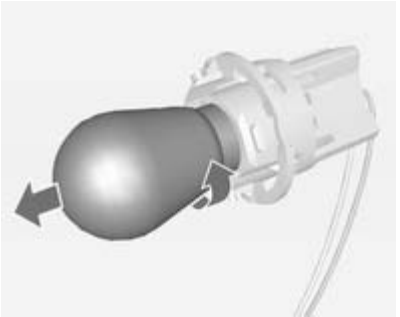


1. Rotate cap (1) anticlockwise and remove it.

2. Graphic shows version with halogen headlights.

Graphic shows version with adaptive forward lighting headlights.

Rotate bulb socket anticlockwise to disengage and withdraw from the reflector.



3. Remove the bulb from the socket by turning anticlockwise.
4. Replace and insert new bulb into socket by turning clockwise.
5. Insert the bulb socket into the reflector and turn clockwise.
6. Fit the cap and rotate clockwise.

Tail lights

1. Open and remove the cover on the inside of the boot lid by loosen the screw with a coin.
2. Brake lights, tail lights and fog light are designed as Light Emitting Diodes (LEDs) and cannot be changed.

Remove bulb holder by turning anti-clockwise.

Turn signal lights (**1**)

Reversing lights (**2**)

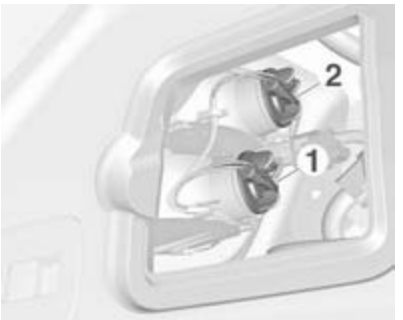
3. Remove and replace bulb
4. Insert bulb holder into tail light assembly and turn clockwise.

5. Close the cover by inserting the fastener clips first. Lock the cover by turning the screw clockwise with a coin.

Additional lights in the boot lid frame

1. Open the boot lid.

2. Release cover in side trim panel and remove.



3. Remove bulb holder by turning anti-clockwise.

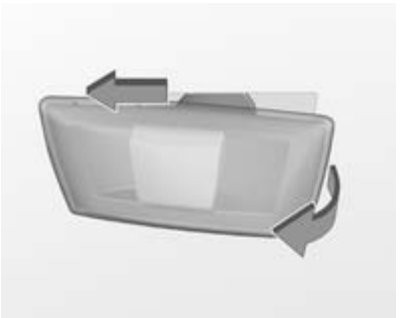
Turn signal lights (1)

Tail lights (2)

4. Remove and replace bulb.
5. Insert the bulb holder into housing and turn clockwise.
6. Attach the side trim cover.

Side turn signal lights

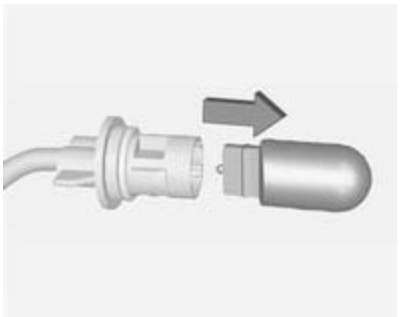
To replace bulb, remove lamp housing:



1. On left vehicle side, slide lamp to the front and remove it out of the fender with the rear end.

   On right vehicle side, slide lamp to the rear and remove it out of the fender with the front end.

2. Turn bulb holder anticlockwise and remove from housing.



3. Pull bulb from bulb holder and replace it.

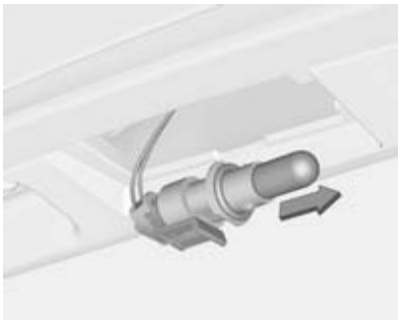
4. Insert bulb holder and turn clockwise.
5. On left side: insert front end into fender, slide forward and insert rear end.

   On right side: insert rear end into fender, slide rearward and insert front end.

Number plate light

1. Insert screwdriver in recess of the cover, press to the side and release spring.
2. Remove lamp downwards, taking care not to pull on the cable.

3. Remove bulb holder from lamp housing by turning anticlockwise.



4. Pull bulb from bulb holder and replace it.
5. Insert bulb holder into lamp housing and turn clockwise.
6. Insert lamp into bumper and let engage.

Interior lights

Courtesy light, reading lights

Have bulbs replaced by a workshop.

Load compartment light

Have bulbs replaced by a workshop.

Instrument panel illumination

Have bulbs replaced by a workshop.

Electrical system

Fuses

Data on the replacement fuse must match the data on the defective fuse.

There are three fuse boxes in the vehicle:

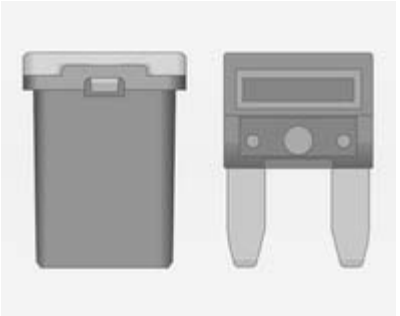
- in the front left of the engine compartment,
- in left-hand drive vehicles, in the interior behind the storage compartment, or, in right-hand drive vehicles, behind the glovebox,
- behind a cover on the left side of the load compartment.

Before replacing a fuse, turn off the respective switch and the ignition.

A blown fuse can be recognized by its melted wire. Do not replace the fuse until the cause of the fault has been remedied.

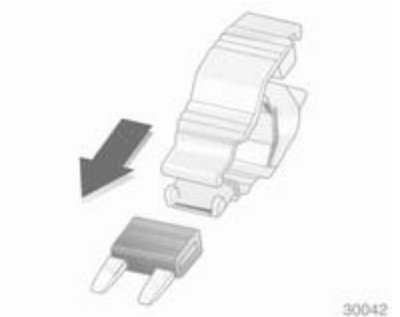
Some functions are protected by several fuses.

Fuses may also be inserted without existence of a function.



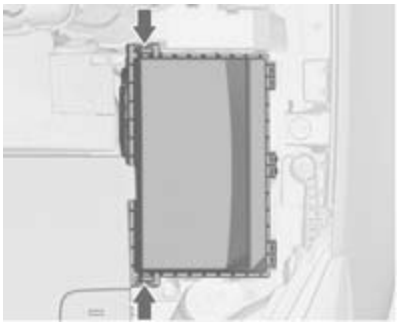
Fuse extractor

A fuse extractor may be located in the fuse box in the engine compartment.



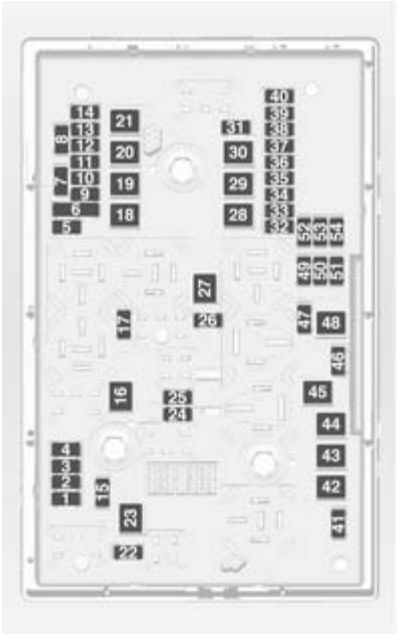
Place the fuse extractor on the various types of fuse from the top or side, and withdraw fuse.

Engine compartment fuse box



The fuse box is in the front left of the engine compartment.

Disengage the cover and fold it upwards until it stops. Remove the cover vertically upwards.



No.	Circuit
1	Engine control module
2	Lambda sensor
3	Fuel injection, ignition system
4	Fuel injection, ignition system
5	–
6	Mirror heating
7	Fan control
8	Lambda sensor, engine cooling
9	Rear window sensor
10	Vehicle battery sensor
11	Trunk release
12	Adaptive forward lighting, automatic light control
13	ABS Valves
14	–
15	Engine control module
16	Starter

No.	Circuit
17	Transmission control module
18	Heated rear window
19	Front power windows
20	Rear power windows
21	Rear eletrical centre
22	Left high beam (Halogen)
23	Headlamp washer system
24	Right low beam (Xenon)
25	Left low beam (Xenon)
26	Front fog lights
27	Diesel fuel heating
28	Start stop system
29	Electric parking brake
30	ABS pump
31	–
32	Airbag
33	Adaptive forward lighting, automatic light control
34	Exhaust gas recirculation
35	Power windows, rain sensor, exterior mirror
36	Climate control
37	–
38	Vacuum pump
39	Fuel system control module
40	Windscreen washer system
41	Right high beam (Halogen)
42	Radiator fan
43	Windscreen wiper
44	–
45	Radiator fan
46	–
47	Horn
48	Radiator fan
49	Fuel pump
50	Headlamp levelling, adaptive forward lighting
51	–
52	Auxiliary heater, diesel engine
53	Transmission control module, Engine control module
54	Vacuum pump, instrument panel cluster, heating ventilation, air conditioning system

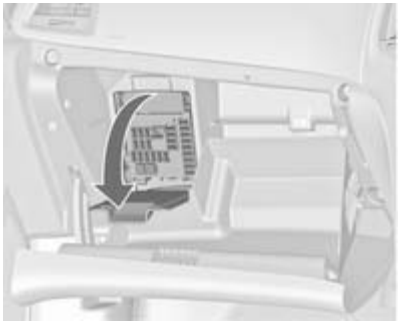
After having changed defective fuses, close the fuse box cover and press until it engages.

If the fuse box cover is not closed correctly, malfunctions may occur.

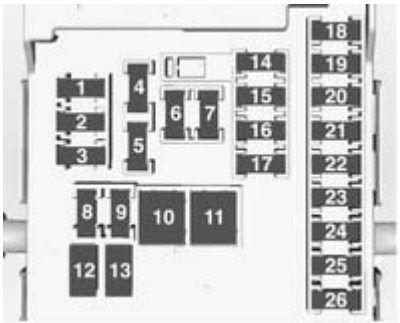
Instrument panel fuse box

In left-hand drive vehicles, the fuse box is behind the storage compartment in the instrument panel.

Open the compartment and push it to the left to unlock. Fold the compartment down and remove it.



In right-hand drive vehicles, the fuse box is located behind a cover in the glovebox. Open the glovebox, then open the cover and fold it down.



No.	Circuit
1	Displays
2	Body control unit, exterior lights
3	Body control unit, exterior lights
4	Infotainment system
5	Infotainment system, instrument
6	Power outlet, cigarette lighter
7	Power outlet
8	Body control module, left low beam
9	Body control module, right low beam
10	Body control module, door locks
11	Interior fan
12	Driver power seat
13	Passenger power seat
14	Diagnostic connector
15	Airbag

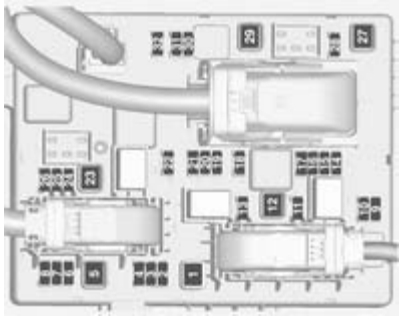
No.	Circuit
16	Boot lid relay
17	Air conditioning system
18	Service diagnose
19	Body control module, brake lights, tail lights, interior lights
20	-
21	Instrument panel
22	Ignition system
23	Body control module
24	Body control module
25	–
26	Trunk power outlet accessory

Load compartment fuse box

The fuse box is on the left side of the load compartment behind a cover.

Remove the cover.

Fuse assignments



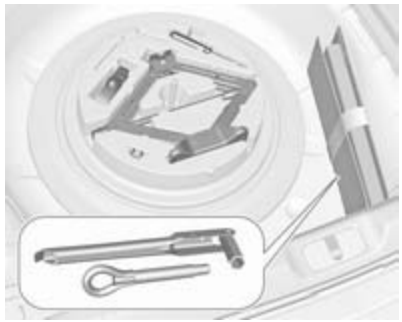
No.	Circuit
1	Soft top control module, power rail right
2	–
3	Parking assist
4	–
5	–
6	–
7	Power seat
8	Soft top control module
9	–
10	–
11	Trailer module, tire pressure monitor and rear view camera
12	Soft top control module, tail lights
13	–
14	Rear seat electrical folding
15	–

No.	Circuit
16	Seat ventilation, rear view camera, soft top control module
17	–
18	–
19	Steering wheel heating
20	–
21	Seat heating
22	–
23	Soft top control module, power rail left
24	–
25	–
26	Jumper fuse for non logistic mode
27	Passive entry
28	–
29	Hydraulic unit
30	–
31	–
32	Flex Ride

Vehicle tools

Tools

Vehicles with spare wheel

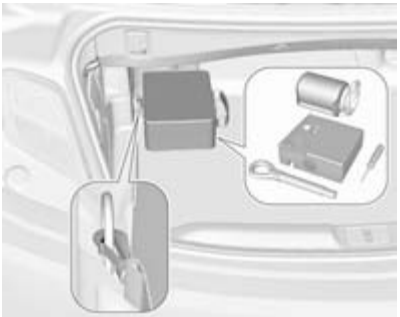


Open the load floor cover. The jack, the tools and a strap for securing a damaged wheel are in the tool box below the spare wheel in the load compartment. The wheel wrench and the towing eye are in the tool bag located in the spare wheel well near the tool box. Spare wheel ⇨ 213.

Vehicles with tyre repair kit

Some tools and the towing eye are located together with the tyre repair kit in a tool box in the load compartment below the floor cover.

Vehicles with tyre repair kit and flat load compartment floor



Some tools and the towing eye are located together with the tyre repair kit in a bag, which is fixed at the front left lashing eye in the load compartment.

Wheels and tyres

Wheels

On vehicles with Diesel engines no steel rims and only special, for this vehicle approved alloy wheels are permitted.

Tyre condition, wheel condition

Drive over edges slowly and at right angles if possible. Driving over sharp edges can cause tyre and wheel damage. Do not trap tyres on the kerb when parking.

Regularly check the wheels for damage. Seek the assistance of a workshop in the event of damage or unusual wear.

Winter tyres

Winter tyres improve driving safety at temperatures below 7 °C and should therefore be fitted on all wheels.

All tyre sizes are permitted as winter tyres ⇨ 236.

Use tyre size 225/55 R17 only as winter tyres.

On vehicles with Diesel engines, no steel rims and only special, vehicle-approved alloy wheels are permitted.

In accordance with country-specific regulations, affix the speed sticker in the driver's field of view.

Tyre designations

E.g. **235/55 R 17 99 V**

235 = Tyre width, mm
55 = Cross-section ratio (tyre height to tyre width), %
R = Belt type: Radial
RF = Type: RunFlat
17 = Wheel diameter, inches
99 = Load index e.g. 99 is equivalent to 775 kg
V = Speed code letter

Speed code letter:

Q = up to 100 mph
S = up to 112 mph
T = up to 118 mph
H = up to 130 mph
V = up to 150 mph
W = up to 168 mph

Tyre pressure

Check the pressure of cold tyres at least every 14 days and before any long journey. Do not forget the spare wheel. This also applies to vehicles with tyre pressure monitoring system.

Unscrew the valve cap.

Tyre pressure ⇨ 236.

The tyre and loading information label on the left door frame indicates the original equipment tyres and the correspondent tyre pressures.

The tyre pressure data refers to cold tyres. It applies to summer and winter tyres.

Always inflate the spare tyre to the pressure specified for full load.

The ECO tyre pressure serves to achieve the smallest amount of fuel consumption possible.

Incorrect tyre pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

Tyre pressures differ depending on various options. For the correct tyre pressure value, follow the procedure below:

1. Identify the engine identifier code. Engine data ⇨ 231.
2. Identify the respective tyre.

The tyre pressure tables show all possible tyre combinations ⇨ 236.

For the tyres approved for your vehicle, refer to the EEC Certificate of Conformity provided with your vehicle or other national registration documents.

The driver is responsible for correct adjustment of tyre pressure.

⚠Warning

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

If the tyre pressure must be reduced or increased on a vehicle with tyre pressure monitoring system, switch off ignition. After adjusting tyre pressure switch on ignition and select the relevant setting on the page **Tyre load** on the Driver Information Centre, ⇨ 94.

Tyre pressure monitoring system

The tyre pressure monitoring system checks the pressure of all four wheels once a minute when vehicle speed exceeds a certain limit.

Caution

Tyre pressure monitoring system warns just about low tyre pressure condition and does not replace regular tyre maintenance by the driver.

All wheels must be equipped with pressure sensors and the tyres must have the prescribed pressure.

The current tyre pressures can be shown in the **Vehicle Information Menu** in the Driver Information Centre.

The menu can be selected by the buttons on the turn signal lever.

Press the **MENU** button to select the **Vehicle Information Menu**.

Turn the adjuster wheel to select the tyre pressure monitoring system.

System status and pressure warnings are displayed by a message with the corresponding tyre flashing in the Driver Information Centre.

A detected low tyre pressure condition is indicated by the control indicator (!) ⇨ 92.

If (!) illuminates, stop as soon as possible and inflate the tyres as recommended ⇨ 236.

After inflating, driving may be required to update the tyre pressure values in the DIC. During this time (!) may illuminate.

If (!) illuminates at lower temperatures and extinguishes after some driving, this could be an indicator for getting low pressure. Check tyre pressure.

Vehicle messages ⇨ 100.

If the tyre pressure must be reduced or increased, switch off ignition.

Only mount wheels with pressure sensors, otherwise the tyre pressure will not be displayed and (!) illuminates continuously.

A spare wheel or temporary spare wheel is not equipped with pressure sensors. The tyre pressure monitoring system is not operational for these wheels. Control indicator (!) illuminates. For the further three wheels the system remains operational.

The use of commercially available liquid tyre repair kits can impair the function of the system. Factory-approved repair kits can be used.

External high-power radio equipment could disrupt the tyre pressure monitoring system.

Each time the tyres are replaced tyre pressure monitoring system sensors have to be dismounted and serviced. For the screwed sensor: replace valve core and sealing ring. For clipped sensor: replace complete valve stem.

Vehicle loading status

Adjust tyre pressure to load condition according to tyre information label or tyre pressure chart ⇨ 236, and select the relevant setting in the menu **Tire Load** in the Driver Information Centre, **Vehicle Information Menu** ⇨ 94.

Select:

- **Light** for comfort pressure up to 3 people
- **Eco** for Eco pressure up to 3 people
- **Max** for full loading

Auto learn function

After changing wheels, the vehicle must be stationary for approx. 20 minutes, before the system recalculates. The following relearn process takes up to 10 minutes of driving with a minimum speed of 12 mph. In this case, – – can be displayed or pressure values can swap in the Driver Information Centre.

If problems occur during the relearn process, a warning message is displayed in the Driver Information Centre.

Temperature dependency

Tyre pressure depends on the temperature of the tyre. During driving, tyre temperature and pressure increase.

The tyre pressure value displayed in the Driver Information Centre shows the actual tyre pressure. Therefore it is important to check tyre pressure with cold tyres.

Tread depth

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons at a tread depth of 2-3 mm (4 mm for winter tyres).

For safety reasons it is recommended that the tread depth of the tyres on one axle should not vary by more than 2 mm.

The legally permissible minimum tread depth (1.6 mm) has been reached when the tread has worn down as far as one of the tread wear indicators (TWI). Their position is indicated by markings on the sidewall.

If there is more wear at the front than the rear, swap round front wheels and rear wheels periodically. Ensure that the direction of rotation of the wheels is the same as before.

Tyres age, even if they are not used. We recommend tyre replacement every 6 years.

Changing tyre and wheel size

If tyres of a different size than those fitted at the factory are used, it may be necessary to reprogramme the speedometer as well as the nominal tyre pressure and make other vehicle modifications.

After converting to a different tyre size, have the label with tyre pressures replaced.

⚠Warning

Use of unsuitable tyres or wheels may lead to accidents and will invalidate the vehicle type approval.

Wheel covers

Wheel covers and tyres that are factory approved for the respective vehicle and comply with all of the relevant wheel and tyre combination requirements must be used.

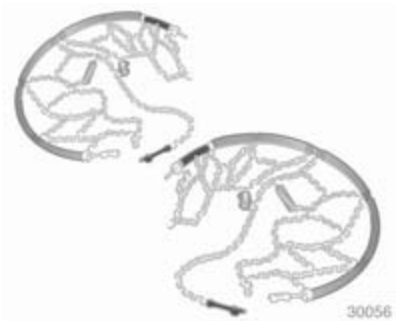
If the wheel covers and tyres used are not factory approved, the tyres must not have a rim protection ridge.

Wheel covers must not impair brake cooling.

⚠Warning

Use of unsuitable tyres or wheel covers could lead to sudden pressure loss and thereby accidents.

Tyre chains



Use tyre chains only on front wheels.

Tyre chains are permitted on tyres of size 225/55 R 17. Always use fine mesh chains that add no more than 10 mm to the tyre tread and the inboard sides (including chain lock).

Tyre chains are also permitted on tyres of size 245/45 R 18. Always use fine mesh chains that add no more than 7 mm to the tyre tread and the inboard sides (including chain lock).

⚠Warning

Damage may lead to tyre blowout.

The use of tyre chains is not permitted on the temporary spare wheel.

Tyre repair kit

Minor damage to the tyre tread can be repaired with the tyre repair kit.

Do not remove foreign bodies from the tyres.

Tyre damage exceeding 4 mm or that is at tyre's sidewall cannot be repaired with the tyre repair kit.

⚠Warning

Do not drive faster than 50 mph.

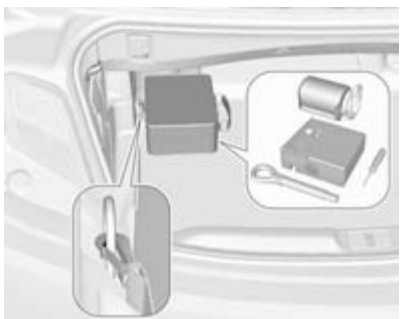
Do not use for a lengthy period.

Steering and handling may be affected.

If you have a flat tyre:

Apply the parking brake and engage first gear, reverse gear or **P**.

The tyre repair kit is in a box under the floor cover in the load compartment.



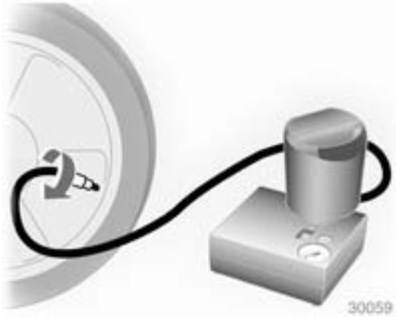
On another version, a bag with the tyre repair kit is fixed at the left rear lashing eye in the load compartment.

1. Take the tyre repair kit from the load compartment.
2. Remove the compressor.

3. Remove the electrical connection cable and air hose from the stowage compartments on the underside of the compressor.

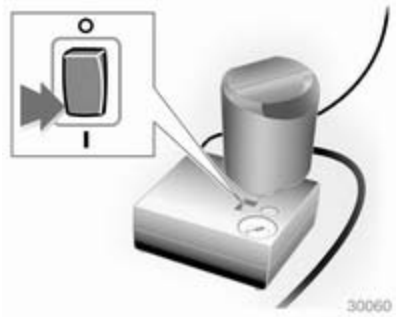
4. Screw the compressor air hose to the connection on the sealant bottle.
5. Fit the sealant bottle into the retainer on the compressor.

   Set the compressor near the tyre in such a way that the sealant bottle is upright.



6. Unscrew valve cap from defective tyre.
7. Screw the filler hose to the tyre valve.
8. The switch on the compressor must be set to O.
9. Connect the compressor plug to the power outlet or cigarette lighter socket.

   To avoid discharging the vehicle battery, we recommend running the engine.



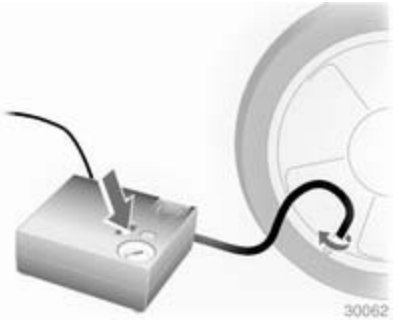
10. Set the rocker switch on the compressor to I. The tyre is filled with sealant.
11. The compressor pressure gauge briefly indicates up to 6 bar whilst the sealant bottle is emptying (approx. 30 seconds). Then the pressure starts to drop.
12. All of the sealant is pumped into the tyre. Then the tyre is inflated.
13. The prescribed tyre pressure should be obtained within 10 minutes. Tyre pressure ⇨ 236. When the correct pressure is obtained, switch off the compressor.

If the prescribed tyre pressure is not obtained within 10 minutes, remove the tyre repair kit. Move the vehicle one tyre rotation. Reattach the tyre repair kit and continue the filling procedure for 10 minutes. If the prescribed tyre pressure is still not obtained, the tyre is too badly damaged. Seek the assistance of a workshop.

Drain excess tyre pressure with the button over the pressure indicator.

Do not run the compressor longer than 10 minutes.

14. Detach the tyre repair kit. Push catch on bracket to remove sealant bottle from bracket. Screw the tyre inflation hose to the free connection of the sealant bottle. This prevents sealant from escaping. Stow tyre repair kit in load compartment.
15. Remove any excess sealant using a cloth.
16. Take the label indicating maximum permitted speed from the sealant bottle and affix in the driver's field of view.
17. Continue driving immediately so that sealant is evenly distributed in the tyre. After driving approx. 6 miles (but no more than 10 minutes), stop and check tyre pressure. Screw compressor air hose directly onto tyre valve and compressor when doing this.



If tyre pressure is more than 1.3 bar, set it to the correct value. Repeat the procedure until there is no more loss of pressure.

If the tyre pressure has fallen below 1.3 bar, the vehicle must not be used. Seek the assistance of a workshop.

18. Stow away the tyre repair kit in the load compartment.

Note
The driving characteristics of the repaired tyre are severely affected, therefore have this tyre replaced.

If unusual noise is heard or the compressor becomes hot, turn compressor off for at least 30 minutes.

The built-in safety valve opens at a pressure of 102 psi.

Note the expiry date of the kit. After this date its sealing capability is no longer guaranteed. Pay attention to storage information on sealant bottle.

Replace the used sealant bottle. Dispose of the bottle as prescribed by applicable laws.

The compressor and sealant can be used from approx. -30 °C.

The adapters supplied can be used to pump up other items e.g. footballs, air mattresses, inflatable dinghies etc. They are located on the underside of the compressor. To remove, screw on compressor air hose and withdraw adapter.

Wheel changing

Some vehicles are equipped with a tyre repair kit instead of a spare wheel ⇨ 208.

Make the following preparations and observe the following information:

- Park the vehicle on a level, firm and non-skid surface. The front wheels must be in the straight-ahead position.
- Apply the parking brake and engage first gear, reverse gear or **P**.
- Remove the spare wheel ⇨ 213.
- Never change more than one wheel at once.
- Use the jack only to change wheels in case of puncture, not for seasonal winter or summer tyre change.
- If the ground on which the vehicle is standing is soft, a solid board (max. 1 cm thick) should be placed under the jack.
- No people or animals may be in the vehicle when it is jacked-up.
- Never crawl under a jacked-up vehicle.
- Do not start the vehicle when it is raised on the jack.
- Clean wheel nuts and thread with a clean cloth before mounting the wheel.

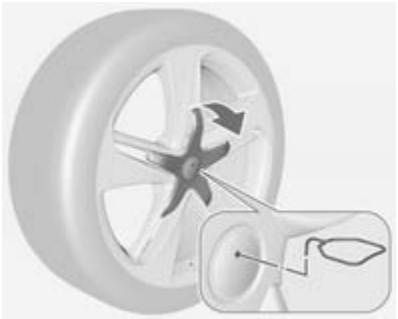
⚠ Warning

Do not grease wheel bolt, wheel nut and wheel nut cone.

1. Disengage wheel nut caps with a screwdriver and remove. Pull off

the wheel cover with the hook. Vehicle tools ⇨ 201.

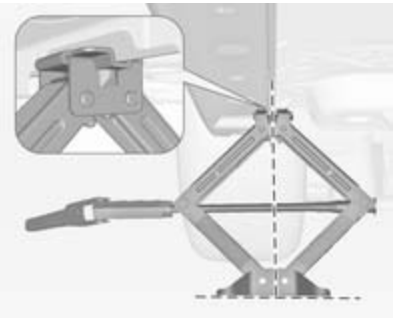
Alloy wheels: Disengage wheel nut caps with a screwdriver and remove. To protect the wheel, place a soft cloth between the screwdriver and the alloy wheel.



Alloy wheels with centre wheel bolt cap: Disengage centre cap by inserting and pulling the extractor ⇨ 201 in the recess of the brand emblem.

2. Install the wheel wrench ensuring that it locates securely and loosen each wheel nut by half a turn.

3. Ensure the jack is correctly positioned under the relevant vehicle jacking point.



4. Set the jack to the necessary height. Position it directly below the jacking point in a manner that prevents it from slipping.

Attach wheel wrench and with the jack correctly aligned rotate wrench until wheel is clear of the ground.

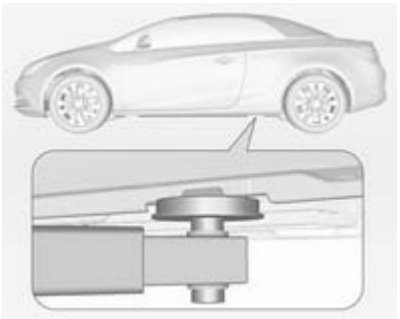
5. Unscrew the wheel nuts.
6. Change the wheel. Spare wheel ⇨ 213.
7. Screw on the wheel nuts.
8. Lower vehicle.
9. Install the wheel wrench ensuring that it locates securely and tighten each nut in a crosswise sequence. Tightening torque is 140 Nm.
10. Align the valve hole in the wheel cover with the tyre valve before installing.

    Install wheel nut caps.

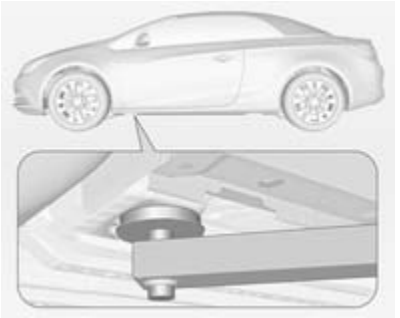
    Install centre cap on alloy wheels.
11. Stow the replaced wheel ⇨ 213 and the vehicle tools ⇨ 201.
12. Check the tyre pressure of the installed tyre and the wheel nut torque as soon as possible.

Have the defective tyre renewed or repaired as soon as possible.

Jacking position for lifting platform



Rear arm position of the lifting platform centrically under the recess of the sill.



Front arm position of the lifting platform at the underbody.

Spare wheel

Some vehicles are equipped with a tyre repair kit instead of a spare wheel.

The spare wheel can be classified as a temporary spare wheel depending on the size compared to the other mounted wheels and country regulations.

The spare wheel has a steel rim.

Caution
The use of a spare wheel that is smaller than the other wheels or in combination with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.

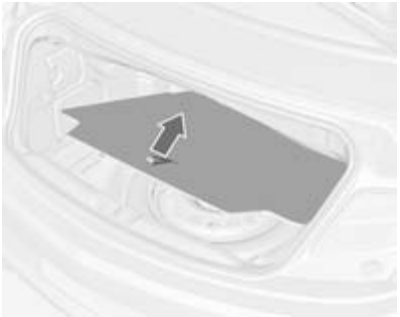
Removing the spare wheel and stowing a damaged wheel in the load compartment

The spare wheel is located in the spare wheel well beneath the floor cover.

The spare wheel well is not designed for other tyre sizes than spare wheel.

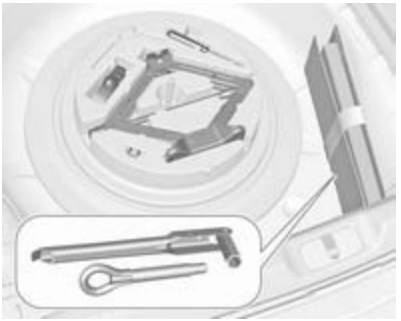
To remove:

1. Close the soft top and fold in the load compartment partition by pushing at the loop area upwards to the inside ⇨ 71.



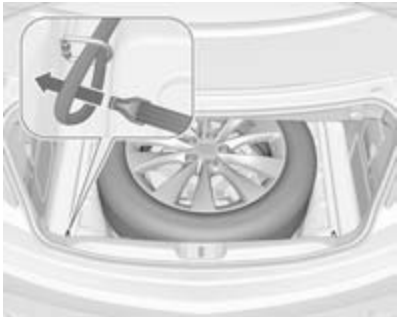
2. Remove the floor cover.

3. The spare wheel is secured with a wing nut in the well. Untwist nut, remove conus and take out the spare wheel.

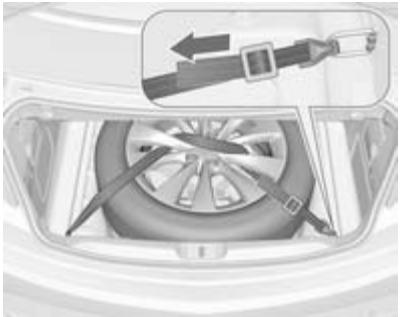


Under the spare wheel there is a box and a bag with vehicle tools.

4. Change the damaged wheel ⇨ 211 and stow the tools back in the tool box and the bag. Remove the strap from the box and put aside.
5. Secure the tool box by turning right back the wing nut with the conus. Put the bag in the well.
6. Stow the damaged wheel outside up in the well.



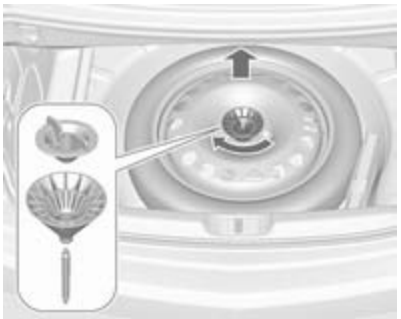
7. Place the loop end of the strap through the left rear lashing eye.
8. Place the hook end of the strap through the loop and pull it until the strap is fastened securely to the lashing eye.



9. Insert the strap through the spokes of the wheel as shown in the illustration.
10. Mount the hook to the right rear lashing eye.
11. Tighten the strap and secure it using the buckle.
12. Deposit the floor cover on the wheel.
13. If equipped, secure coupling ball bar in the bag at a lashing eye in the load compartment.
14. Fold out the load compartment partition before opening the soft top.

Stowing the spare wheel back in the well after replacing the damaged wheel

1. Close the soft top and fold in the load compartment partition.
2. Remove floor cover, untwist and remove wing nut and conus.
3. Stow the tools in the tool box and the bag.
4. Place spare wheel outside up in the well.



5. Insert and turn the excentric conus in the recess of the spare wheel so that the wheel is

positioned as far as possible to the front. Secure the wheel by turning the wing nut clockwise.

6. Insert and close floor cover.

⚠Warning

Storing a jack, a wheel or other equipment in the load compartment could cause injury if they are not fixed properly. During a sudden stop or a collision, loose equipment could strike someone.

Store jack and tools always in the respective storage compartments and secure them by fixing.

Damaged wheel placed in the load compartment must always be secured by the strap.

Temporary spare wheel

Caution

The use of a spare wheel that is smaller than the other wheels or in combination with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.

Only mount one temporary spare wheel. Do not drive faster than 50 mph. Take curves slowly. Do not use for a long period of time.

If your vehicle gets a flat tyre on the rear while towing another vehicle, mount the temporary spare wheel in the front and the full tyre in the rear.

Tyre chains ⇨ 207.

Directional tyres

Fit directional tyres such that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.

The following applies to tyres fitted opposing the rolling direction:

- Driveability may be affected. Have the defective tyre renewed or repaired as soon as possible.
- Drive particularly carefully on wet and snow-covered road surfaces.

Jump starting

Do not start with quick charger.

A vehicle with a discharged vehicle battery can be started using jump leads and the vehicle battery of another vehicle.

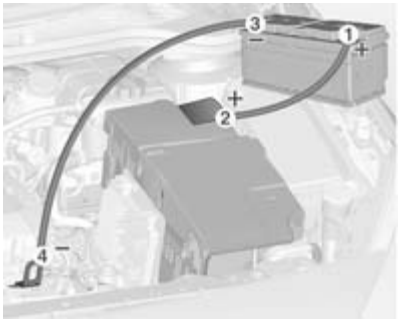
⚠Warning

Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

⚠Warning

Avoid contact of the battery with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.

- Never expose the battery to naked flames or sparks.
- A discharged vehicle battery can already freeze at a temperature of 0 °C. Defrost the frozen battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a battery.
- Use a booster battery with the same voltage (12 Volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jump leads with insulated terminals and a cross section of at least 16 mm^2 (25 mm^2 for diesel engines).
- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical consumers.
- Do not lean over the battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.
- The vehicles must not come into contact with each other during the jump starting process.
- Apply the parking brake, transmission in neutral, automatic transmission in **P**.
- Open the positive terminal protection caps of both batteries.



Lead connection order:

1. Connect the red lead to the positive terminal of the booster battery.
2. Connect the other end of the red lead to the positive terminal of the discharged battery.
3. Connect the black lead to the negative terminal of the booster battery.
4. Connect the other end of the black lead to a vehicle grounding point, such as the engine block or an engine mounting bolt. Connect as far away from the discharged battery as possible, however at least 60 cm.

Route the leads so that they cannot catch on rotating parts in the engine compartment.

To start the engine:

1. Start the engine of the vehicle providing the jump.
2. After 5 minutes, start the other engine. Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.
3. Allow both engines to idle for approx. 3 minutes with the leads connected.

4. Switch on electrical consumers (e.g. headlights, heated rear window) of the vehicle receiving the jump start.
5. Reverse above sequence exactly when removing leads.

Towing

Towing the vehicle

Insert a screwdriver in the slot at the lower part of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools ⇨ 201.

Screw in the towing eye anticlockwise as far as it will go until it stops in a horizontal position.

Attach a tow rope – or better still a tow rod – to the towing eye.

The towing eye must only be used for towing and not for recovering the vehicle.

Switch on ignition to release steering wheel lock and to permit operation of brake lights, horn and windscreen wiper.

Transmission in neutral.

Caution
Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

When the engine is not running, considerably more force is needed to brake and steer.

To prevent the entry of exhaust gases from the towing vehicle, switch on the air recirculation and close the windows, when soft top is closed.

Vehicles with automatic transmission: The vehicle must be towed facing forwards, not faster than 50 mph nor further than 60 miles. In all other cases and when the transmission is defective, the front axle must be raised off the ground.

Seek the assistance of a workshop.

After towing, unscrew the towing eye clockwise.

Insert cap at the top and engage downwards.

Towing another vehicle

Insert a screwdriver in the slot at the lower bend of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools ⇨ 201.

Screw in the towing eye anticlockwise as far as it will go until it stops in a horizontal position.

The lashing eye at the rear underneath the vehicle must never be used as a towing eye.

Attach a tow rope – or even better a tow bar – to the towing eye.

The towing eye must only be used for towing and not for recovering a vehicle.

Caution
Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

After towing, unscrew the towing eye clockwise.

Insert cap at the top and engage downwards.

Appearance care

Exterior care

Locks

The locks are lubricated at the factory using a high quality lock cylinder grease. Use de-icing agent only when absolutely necessary, as this has a degreasing effect and impairs lock function. After using a de-icing agent, have the locks regreased by a workshop.

Washing

The paintwork of your vehicle is exposed to environmental influences, therefore wash your vehicle regularly.

When using automatic vehicle washes, prefer one with textile brushes and select a programme without wax additives.

When doing hand wash, use clear water and a soft brush, cleaning in grain direction of the textile hood.

Never use a a steam-jet or high-pressure jet cleaner for the soft top and the engine compartment.

Wax painted parts of the vehicle regulary.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint and fabric damage.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. The windscreen wiper must be switched off. Remove additional antenna and external accessories.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Caution
Always use a cleaning agent with a pH value of 4 to 9. Do not use cleaning agents on hot surfaces.

Caution

After washing or cleaning, the soft top must be completely dried before opening. If a wet soft top remains opened for a longer time, it would be damaged by water spotting and mould growth.

When cleaning with a high-pressure jet cleaner ensure a minimum distance of 30 cm to the rear brand emblem to prevent unintended unlocking.

Thoroughly rinse and leather-off the vehicle. Rinse leather frequently. Use separate leathers for painted and glass surfaces: remnants of wax on the windows will impair vision.

Have the door hinges of all doors greased by a workshop.

Exterior lights

Headlight and other light covers are made of plastic. Do not use any abrasive or caustic agents, do not use an ice scraper, and do not clean them dry.

Polishing and waxing

Wax painted parts of the vehicle regularly (at the latest when water no longer beads). Otherwise, the paintwork will dry out.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Soft top as well as plastic body parts must not be treated with wax or polishing agents.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

When cleaning the rear window from inside, always wipe in parallel to the heating element to prevent damage.

For mechanical removal of ice, use a sharp-edged ice scraper. Press the scraper firmly against the glass so that no dirt can get under it and scratch the glass.

Clean smearing wiper blades with a soft cloth and window cleaner.

Wheels and tyres

Do not use high-pressure jet cleaners.

Clean rims with a pH-neutral wheel cleaner.

Rims are painted and can be treated with the same agents as the body.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms. Have more extensive damage or rust areas repaired by a workshop.

Underbody

Some areas of the vehicle underbody have a PVC undercoating while other critical areas have a durable protective wax coating.

After the underbody is washed, check the underbody and have it waxed if necessary.

Bitumen/rubber materials could damage the PVC coating. Have underbody work carried out by a workshop.

Before and after winter, wash the underbody and have the protective wax coating checked.

Towing equipment

Do not clean the coupling ball bar with a steam-jet or high-pressure jet cleaner.

Interior care

Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

Clean the leather upholstery with clear water and a soft cloth. In case of heavy soiling, use leather care.

The instrument cluster and the displays should only be cleaned using a soft damp cloth. If necessary use a weak soap solution.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clothing fabrics may not be colourfast. This could cause visible discolourations, especially on light-coloured upholstery. Removable stains and discolourations should be cleaned as soon as possible.

Clean seat belts with lukewarm water or interior cleaner.

Caution
Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery. The same applies to clothing with sharp-edged objects, like zips or belts or studded jeans.

Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high-pressure jet cleaners.

Service and maintenance

General information 223
Recommended fluids, lubricants and parts 224

General information

Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

The detailed, up-to-date service schedule for your vehicle is available at the workshop.

Service display ⇨ 85.

European service intervals

Maintenance of your vehicle is required every 20,000 miles or after 1 year, whichever occurs first, unless otherwise indicated in the service display.

The European service intervals are valid for the following countries:

Andorra, Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Greenland, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Macedonia, Malta, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom.

Service display ⇨ 85.

International service intervals

Maintenance of your vehicle is required every 10,000 miles or after 1 year, whichever occurs first, unless otherwise indicated in the service display.

The international service intervals are valid for the countries which are not listed in the European service intervals.

Service display ⇨ 85.

Confirmations

Confirmation of service is recorded in the Service and Warranty Booklet. The date and mileage is completed with the stamp and signature of the servicing workshop.

Make sure that the Service and Warranty Booklet is completed correctly as continuous proof of service is essential if any warranty or goodwill claims are to be met, and is also a benefit when selling the vehicle.

Service interval with remaining engine oil life duration

The service interval is based on several parameters depending on usage.

The service display lets you know when to change the engine oil.

Service display ⇨ 85.

Recommended fluids, lubricants and parts

Recommended fluids and lubricants

Only use products that meet the recommended specifications. Damage resulting from the use of products not in line with these specifications will not be covered by the warranty.

⚠Warning

Operating materials are hazardous and could be poisonous. Handle with care. Pay attention to information given on the containers.

Engine oil

Engine oil is identified by its quality and its viscosity. Quality is more important than viscosity when selecting which engine oil to use. The oil quality ensures e.g. engine cleanliness, wear protection and oil aging control, whereas viscosity grade gives information on the oil's thickness over a temperature range.

Dexos is the newest engine oil quality that provides optimum protection for gasoline and diesel engines. If it is unavailable, engine oils of other listed qualities have to be used.

Select the appropriate engine oil based on its quality and on the minimum ambient temperature ⇨ 228.

Topping up engine oil

Engine oils of different manufacturers and brands can be mixed as long as they comply with the required engine oil quality and viscosity.

Use of engine oil with only ACEA A1/B1 or only A5/B5 quality is prohibited, since it can cause long-term engine damage under certain operating conditions.

Select the appropriate engine oil based on its quality and on the minimum ambient temperature ⇨ 228.

Additional engine oil additives
The use of additional engine oil additives could cause damage and invalidate the warranty.

Engine oil viscosity grades
The SAE viscosity grade gives information of the thickness of the oil.

Multigrade oil is indicated by two figures, e.g. SAE 5W-30. The first figure, followed by a W, indicates the low temperature viscosity and the second figure the high temperature viscosity.

Select the appropriate viscosity grade depending on the minimum ambient temperature ⇨ 228.

All of the recommended viscosity grades are suitable for high ambient temperatures.

Coolant and antifreeze

Use only organic acid type-long life coolant (LLC) antifreeze approved for the vehicle. Consult a workshop.

The system is factory filled with coolant designed for excellent corrosion protection and frost protection down to approx. -28 °C. In northern countries with very low temperatures the factory filled coolant provides frost protection down to approx. -37 °C. This concentration should be maintained all year round. The use of additional coolant additives that intend to give additional corrosion protection or seal against minor leaks can cause function problems. Liability for consequences resulting from the use of additional coolant additives will be rejected.

Brake and clutch fluid

Only use high-performance brake fluid approved for the vehicle, consult a workshop.

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

Brake fluid should be stored in a sealed container to avoid water absorption.

Ensure brake fluid does not become contaminated.

Technical data

Vehicle identification 226
Vehicle data 228

Vehicle identification

Vehicle Identification Number

The Vehicle Identification Number is visible through the windscreen.

Identification plate

The identification plate is located on the front left door frame.

Information on identification label:

1 = Manufacturer
2 = Type approval number
3 = Vehicle Identification Number
4 = Permissible gross vehicle weight rating in kg
5 = Permissible gross train weight in kg
6 = Maximum permissible front axle load in kg
7 = Maximum permissible rear axle load in kg
8 = Vehicle-specific or country-specific data

The combined total of front and rear axle loads must not exceed the permissible gross vehicle weight. For example, if the front axle is bearing its maximum permissible load, the rear axle can only bear a load that is equal to the gross vehicle weight minus the front axle load.

The technical data is determined in accordance with European Community standards. We reserve the right to make modifications.

Specifications in the vehicle documents always have priority over those given in this manual.

Engine identification

The technical data tables show the engine identifier code. Engine data ⇨ 231.

To identify the respective engine, refer to the engine power in the EEC Certificate of Conformity provided with your vehicle or other national registration documents.

Vehicle data
Recommended fluids and lubricants

European service schedule

Required engine oil quality

	All European countries (except Belarus, Moldova, Russia, Serbia, Turkey)		Only Israel	
Engine oil quality	Petrol engines	Diesel engines	Petrol engines	Diesel engines
dexos 1	–	–	✓	–
dexos 2	✓	✓	–	✓

In case dexos quality is unavailable you may use max. 1 litre engine oil quality ACEA C3 once between each oil change.

Engine oil viscosity grades

	All European countries and Israel (except Belarus, Moldova, Russia, Serbia, Turkey)
Ambient temperature	Petrol and diesel engines
down to -25 °C	SAE 5W-30 or SAE 5W-40
below -25 °C	SAE 0W-30 or SAE 0W-40

International service schedule

Required engine oil quality

	All countries outside Europe except Israel		Only Belarus, Moldova, Russia, Serbia, Turkey	
Engine oil quality	Petrol engines	Diesel engines	Petrol engines	Diesel engines
dexos 1	✓	–	–	–
dexos 2	–	✓	✓	✓

In case dexos quality is unavailable you may use the oil qualities listed below:

	All countries outside Europe except Israel		Only Belarus, Moldova, Russia, Serbia, Turkey	
Engine oil quality	Petrol engines	Diesel engines	Petrol engines	Diesel engines
GM-LL-A-025	✓	–	✓	–
GM-LL-B-025	–	✓	–	✓

	All countries outside Europe except Israel		Only Belarus, Moldova, Russia, Serbia, Turkey	
Engine oil quality	Petrol engines	Diesel engines	Petrol engines	Diesel engines
ACEA A3/B3	✓	–	✓	–
ACEA A3/B4	✓	✓	✓	✓
ACEA C3	✓	✓	✓	✓
API SM	✓	–	✓	–
API SN resource conserving	✓	–	✓	–

Engine oil viscosity grades

	All countries outside Europe (except Israel), including Belarus, Moldova, Russia, Serbia, Turkey
Ambient temperature	Petrol and diesel engines
down to -25 °C	SAE 5W-30 or SAE 5W-40
below -25 °C	SAE 0W-30 or SAE 0W-40
down to -20 °C	SAE 10W-30[1)] or SAE 10W-40[1)]

[1)] Permitted, but usage of SAE 5W-30 or SAE 5W-40 with dexos quality is recommended.

Engine data

Sales designation	1.4 Turbo	1.4 Turbo	1.6 Turbo	2.0 CDTI	2.0 CDTI BiTurbo
Engine identifier code	A14NEL	A14NET	A16XHT	A20DTH	A20DTR
Number of cylinders	4	4	4	4	4
Piston displacement [cm^3]	1364	1364	1598	1956	1956
Engine power [kW]	88	103	125	121	143
at rpm	4200-6000	4900-6000	6000	4000	4000
Torque [Nm]	200	200	260	350	400
at rpm	1850-4200	1850-4900	1650-3200	1750-2500	1750-2500
Fuel type	Petrol	Petrol	Petrol	Diesel	Diesel
Octane rating RON					
recommended	95	95	98	–	–
possible	98	98	95	–	–
possible	91	91	91	–	–
Oil consumption [l/1000 km]	0.6	0.6	0.6	0.6	0.6

Performance

Engine	A14NEL	A14NET	A16XHT	A20DTH	A20DTR
Maximum speed[2)] [mph]					
Manual transmission	121	129	138	135	143
Automatic transmission	–	–	135	132	–

[2)] The maximum speed indicated is achievable at kerb weight (without driver) plus 200 kg payload. Optional equipment could reduce the specified maximum speed of the vehicle.

Vehicle weight

Kerb weight, basic model without any optional equipment

	Engine	Manual transmission	Automatic transmission
without/with air conditioning [kg]	A14NEL	1701[3)]	–
	A14NET	1701[3)]	–
	A16XHT	1733	1733
	A20DTH	1816	1816
	A20DTR	1816	–

Kerb weight, basic model with all optional equipment

	Engine	Manual transmission	Automatic transmission
with air conditioning [kg]	A14NEL	1843	–
	A14NET	1843	–
	A16XHT	1843	1843
	A20DTH	1931	1931
	A20DTR	1931	–

[3)] without air conditioning.

Vehicle dimensions

Length [mm]	4696
Lenght max. when operating soft top [mm]	4760
Width without exterior mirrors [mm]	1839
Width with two exterior mirrors [mm]	2020
Height (without antenna) [mm]	1443
Height max. when operating soft top [mm]	2103
Length of load compartment floor [mm]	991
Length of load compartment with folded rear seats [mm]	1709
Load compartment width [mm]	978
Load compartment height [mm] with opened soft top	246
Load compartment height [mm] with closed soft top	453
Wheelbase [mm]	2695
Turning circle diameter [m]	12.3

Capacities

Engine oil

Engine	A14NEL, A14NET	A16XHT	A20DTH, A20DTR
including Filter [l]	4.0	5.5	4.5
between MIN and MAX [l]	1.0	1.0	1.0

Fuel tank

Petrol/diesel, refill quantity [l]	56

Tyre pressures

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A14NEL, A14NET, A16XHT	235/55 R17, 235/50 R18, 245/45 R18, 235/45 R19, 245/40 R20, 225/55 R17	230/2.3 (34)	230/2.3 (34)	280/2.8 (41)	280/2.8 (41)	240/2.4 (35)	280/2.8 (41)

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
A20DTH, A20DTR	235/55 R17,	250/2.5 (36)	230/2.3 (34)	280/2.8 (41)	280/2.8 (41)	260/2.6 (38)	300/3.0 (44)
	235/50 R18,						
	245/45 R18,						
	235/45 R19,						
	245/40 R20,						
	225/55 R17						
All	Temporary spare wheel	420/4.2 (61)	420/4.2 (61)	–	–	420/4.2 (61)	420/4.2 (61)

Customer information

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Customer information

Declaration of conformity

This vehicle has systems that transmit and/or receive radio waves subject to Directive 1999/5/EC. These systems are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. Copies of the original Declarations of Conformity can be obtained on our website.

Vehicle data recording and privacy

Event data recorders

The vehicle has a number of sophisticated systems that monitor and control several vehicle data. Some data may be stored during regular operation to facilitate repair of detected malfunctions, other data is stored only in a crash or near crash event by modules in your vehicle systems that have an event data recording function such as the airbag control module.

The systems may record diagnostic data about the condition of the vehicle (e.g. oil level or vehicle mileage) and information how it was operated (e.g. engine speed, brake application and seat belt usage).

To read this data, special equipment and access to the vehicle is required. Some diagnostic data is electronically fed into Vauxhall global systems when the vehicle is serviced in a workshop, in order to document the

service history of the vehicle. This enables the workshop to offer you efficient maintenance and repair, tailored to your individual vehicle, each time you bring it back to the workshop.

The manufacturer will not access driver's behaviour related information about a crash event or share it with others except:

- with the consent of the vehicle owner or, if the vehicle is leased, of the lessee
- in response to an official request of police or similar government office
- as part of the manufacturer's defense in case of legal proceedings
- as required by law

In addition, the manufacturer may use the collected or received diagnostic data:

- for the manufacturer's research needs
- to make it available for research needs where appropriate confidentiality is maintained and need is shown
- to share summary data which is not tied to a specific vehicle with other organisations for research purposes

Radio Frequency Identification (RFID)

RFID technology is used in some vehicles for functions such as tyre pressure monitoring and ignition system security. It is also used in connection with conveniences such as radio remote controls for door locking/unlocking and starting, and in-vehicle transmitters for garage door openers. RFID technology in Vauxhall vehicles does not use or record personal information or link with any other Vauxhall system containing personal information.

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